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PROPOSED HOLIDAY INN L19383
215 CRACKER BARREL DR., CLARKSVILLE, TN
MONTGOMERY COUNTY, TENNESSEE

PERMIT NO: _____

GE#18002

No.	Description	Date

SHEET

E701
ELECTRICAL SCHEDULES & DETAILS

GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.) AND ALL APPLICABLE LOCAL CODES AND ORDINANCES. IF A CONFLICT IS FOUND TO EXIST BETWEEN APPLICABLE CODES THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL APPLICABLE MUNICIPAL CODES AND ORDINANCES.
2. THE SUBMISSION OF A PROPOSAL WILL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF WITH THE DRAWINGS, THE BUILDING SITE AND OTHER INFORMATION PRESENTED FOR THE CONSTRUCTION OF THIS PROJECT. DUE TO THE RENOVATION NATURE OF THE PROJECT, A THOROUGH AND COMPLETE INSPECTION OF THE EXISTING SYSTEMS SHALL BE REQUIRED PRIOR TO PROVIDING A BID FOR THIS PROJECT. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED, WILL NOT BE RECOGNIZED, IF THEY COULD HAVE BEEN FOR SEEN HAD A COMPLETE AND THOROUGH EXAMINATION BEEN DONE.
3. ALL ITEMS LISTED IN THESE NOTES AND INDICATED ON THE ELECTRICAL LEGEND MAY NOT NECESSARILY BE A PART OF THIS PROJECT.
4. COORDINATE EXACT LOCATION OF ELECTRICAL SERVICE, CONDUIT REQUIREMENTS, CONDUIT REQUIREMENTS, METER LOCATIONS, AND SERVICE ENTRANCE LOCATIONS WITH LOCAL POWER SUPPLIER.
5. THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. IN SOME INSTANCES THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR THE EQUIPMENT ITEMS MAY VARY FROM WHAT IS SHOWN ON THE DRAWINGS. THEREFORE, THESE ITEMS AND DIMENSIONS SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR EQUIPMENT ROUGH-IN DRAWINGS. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED, PRIOR TO CONSTRUCTION, OF ANY DEVIATIONS OF THAT SHOWN OR IMPLIED ON THESE DRAWINGS. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THE CONTRACTOR.
6. DO NOT SCALE DIRECTLY FROM THE DRAWINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL INFORMATION.
7. THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED, FABRICATED OR FIELD ERECTED, ALL EQUIPMENT ASSEMBLED EQUIPMENT FOR WHICH NO SPECIFIC MANUFACTURER'S GUARANTEE IS FURNISHED AND ALL WORK IN CONNECTION WITH THE INSTALLATION OF MANUFACTURER'S GUARANTEED EQUIPMENT. THIS CONTRACTOR'S GUARANTEE SHALL EXIST FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL OWNER ACCEPTANCE OF THE WORK AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND/OR WORKMANSHIP OF ANY KIND.
8. ALL PERMITS AND FEES REQUIRED FOR THE WORK SHALL BE SECURED AND PAID BY THE CONTRACTOR AND SHALL BE INDICATED IN THE BID PRICE.
9. ALL EQUIPMENT AND MATERIAL SHALL BE NEW AND UNUSED AND SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. PROVIDE COMPLETE WITH ALL FITTINGS, OFFSETS AND OTHER ITEMS AS REQUIRED BUT NOT NECESSARILY INDICATED ON THE DRAWINGS.
10. WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOT CHANGE THE SCOPE OR NATURE OF THE WORK REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES WILL BE MADE WITH THE EXPRESSED WRITTEN CONSENT OF THE OWNER.
11. THE SPACE ABOVE THE CEILING, IN CHASES AND IN OTHER CONCEALED SPACES IS EXCLUSIVELY LIMITED. THE CONTRACTOR SHALL FULLY COOPERATE WITH ALL TRADES. FAILURE TO DO SO SHALL RESULT IN THE TERMINATION OF THE CONTRACT.
12. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY POWER INSIDE OF BUILDING ON EACH FLOOR AND TEMPORARY LIGHTING ON EACH FLOOR THROUGH CORRIDORS.
13. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER CABLES AND CONDUIT AND SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS TO ALL MECHANICAL EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT AND JUNCTION BOXES REQUIRED FOR THE MECHANICAL CONTROL SYSTEMS. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONTROL WIRING AND SHALL MAKE ALL FINAL CONTROL CONNECTIONS. CONTRACTOR SHALL VERIFY EXACT THERMOSTAT LOCATION PRIOR TO INSTALLATION, COORDINATE WITH MECHANICAL WORK AND MECHANICAL FINISHES.
14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY PRIOR TO THE INSTALLATION OF ANY WORK TO VERIFY WITH ALL OTHER TRADES CONTRACTORS THAT THE SPACE ABOVE THE CEILING IS ADEQUATE IN SIZE AND MAKEUP FOR THE MECHANICAL, PLUMBING, KITCHEN OR APPLIANCE TO BE INSTALLED. IF ANY CONFLICT IN VOLTAGE, PHASE OR LOAD IS ENCOUNTERED WHICH WOULD ALTER THE CIRCUIT SIZE THE CONTRACTOR SHALL IMMEDIATELY BE NOTIFIED. FAILURE TO DO SO SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT CIRCUIT CHANGE UPON THE CONTRACTOR.
15. PANEL BOARDS AND SWITCH BOARDS SHALL BE AS MANUFACTURED BY SQUARE D, SIEMENS, GENERAL ELECTRIC OR ENGINEER APPROVED EQUIPMENT. PANELS SHALL BE ACCESS MOUNTED UNLESS OTHERWISE NOTED ON THE DRAWINGS OR PANEL SCHEDULES. PROVIDE LOCKING DEVICES ON ALL BOARDS. ALL PANEL BOARDS, SWITCH BOARDS AND EMERGENCY LIGHTING CIRCUITS SHALL BE LABELED WITH RESPECT TO THEIR TITLE, VOLTAGE AND PHASE. LABEL SHALL BE PHENOLIC PLASTIC WITH WHITE LETTERING AND BLACK BACKGROUND. LABELS SHALL BE PERMANENTLY FIRED TO THE EQUIPMENT. PROVIDE A TYPED PANEL BOARD SCHEDULE IN EACH PANEL BOARD.
16. ALL PANEL BOARDS, SWITCH BOARDS, SWITCHES AND BREAKERS SHALL BE SIZED TO HANDLE THE FAULT CURRENT AVAILABLE. PRIOR TO ORDERING ANY EQUIPMENT THE CONTRACTOR SHALL SECURE FAULT INFORMATION FROM THE LOCAL ELECTRICAL POWER PROVIDER.
17. ALL DISCONNECT SWITCHES SHALL BE RATED FOR GENERAL DUTY UNLESS OTHERWISE NOTED. EXTERIOR SWITCHES AND PANEL BOARDS SHALL HAVE A NEMA 3R RATING. INTERIOR SWITCHES AND PANEL BOARDS SHALL HAVE A NEMA 1 RATING.
18. STARTERS AND RELATED WIRING SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR. OVERLOAD LIMITS SHALL BE INSTALLED PER NAME PLATE DATA ON THE EQUIPMENT. EXCEPT FOR SUCH ITEMS AS ARE NORMALLY SUPPLIED WITH STARTERS INSTALLED AT THE EQUIPMENT MANUFACTURE, THE CONTRACTOR SHALL SUPPLY ALL ITEMS. THE ELECTRICAL CONDUIT SHALL BE SIZED AND RATED IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S INSTRUCTIONS.
19. VERIFY LOCATION AND POWER REQUIREMENTS OF ALL PLUMBING FIXTURES, APPLIANCES AND HVAC EQUIPMENT PRIOR TO BEGINNING ANY WORK.
20. THE ELECTRICAL CONTRACTOR SHALL BALANCE LOADS BETWEEN PHASES WITH PROOF IS REQUIRED UPON THE COMPLETION OF THE PROJECT.
21. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL EQUIPMENT POWER CONNECTIONS INCLUDING THAT EQUIPMENT WHICH IS SUPPLIED BY THE OWNER.
22. ALL SERVICE CONDUCTORS SHALL BE INSTALLED IN A CONDUIT SYSTEM. ABOVE GRADE INTERIOR CONDUITS SHALL BE EMT, MINIMUM SIZE 3/4" DIAMETER. ALL UNDERGROUND CONDUITS SHALL BE PVC, MINIMUM SIZE 3/4" DIAMETER WITH LONG RADIUS FITTINGS.
23. COMPRESSION FITTINGS SHALL BE USED ON ALL EXPOSED CONDUIT SET SCREW FITTINGS ARE NOT ACCEPTABLE.
24. ALL EXTERIOR CONDUIT SHALL BE MINIMUM 3/4" CONDUIT SERVING BUILDING MOUNTED LIGHT FIXTURES AND EQUIPMENT WITHIN THE BUILDING.
25. PROVIDE PULLS IN EACH PHASEY CONDUIT.
26. A GREEN INSULATED GROUNDING WIRE SHALL BE RUN IN ALL HVAC EQUIPMENT CIRCUITS. CONDUITS SHALL NOT BE USED AS A GROUNDING CONDUIT.
27. THE ENTIRE BUILDING ELECTRICAL SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. ARTICLE 250
28. ALL CONDUCTORS SHALL BE STRANDED COPPER, #12 AWG MINIMUM SIZE.
29. TYPICAL MOUNTING OF 120 VOLT CONDUIT RECEPTACLES SHALL BE EIGHTEEN INCHES ABOVE FINISHED FLOOR TO THE CENTERLINE OF THE BOX, UNLESS OTHERWISE NOTED.
30. THE ELECTRICAL CONTRACTOR SHALL VERIFY LOCATIONS OF RECEPTACLES IN MILLWORK OR SERVING SPECIFIC EQUIPMENT, COORDINATE WITH EQUIPMENT ROUGH IN DIAGRAMS AND MILLWORK DRAWINGS.
31. ALL EXTERIOR RECEPTACLES, SWITCHES AND CONDUIT SYSTEMS SHALL BE WATER PROOF
32. ALL SWITCHES NEED TO BE OLEF OPERATING TYPE.
33. ALL INTERIOR SWITCHES SHALL BE INSTALLED FORTY FOUR INCHES ABOVE FINISHED FLOOR TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED.
34. ANY ELECTRICAL OUTLETS WITHIN SIX FEET OF ANY PLUMBING FIXTURE SHALL BE INSTALLED WITH A 5 MILLAMP GROUND FAULT INTERRUPTER (GFI). PROVIDE INDIVIDUAL GFI DEVICES OR CIRCUIT BREAKERS.
35. WIRING SHOWN ON THE PANEL SCHEDULES AND THE RISER DIAGRAMS IS THE MINIMUM SIZE ALLOWED. IF CONDUIT REQUIRE THAT CONDUCTORS BE IN EXCESS OF SEVENTY FIVE FEET IN TOTAL LENGTH THEN WIRE SIZES SHALL BE INCREASED SO THAT VOLTAGE LOSS IS LIMITED TO TWO PERCENT
36. ALL FUSES SHALL BE BUSSMAN LOW PEAK, NO EXCEPTIONS.
37. PROVIDE 120 RECEPTACLE WITHIN TWENTY FIVE FEET OF ALL HVAC EQUIPMENT EVEN THOUGH THE RECEPTACLE MAY NOT BE SHOWN ON THE DRAWINGS.
38. THE CONTRACTOR SHALL FURNISH ALL LIGHT FIXTURES AND LAMPS UNLESS OTHERWISE NOTED.
39. THE CONTRACTOR SHALL VERIFY LOCATION OF PARKING LOT LIGHTS AND Pylon SIGNS ON THE SITE PLAN.
40. ALL LIGHT FIXTURES SHALL BE MOUNTED AS INDICATED ON THE LIGHT FIXTURE SCHEDULE.
41. LIGHTS LOCATED IN RATED CEILING ASSEMBLIES SHALL HAVE ENCLOSURES OF 5/8" TYPE X GYPSUM BOARD TO MAINTAIN THE RATING OF THE CEILING ASSEMBLY.
42. THE ELECTRICAL POWER AND DISTRIBUTION SYSTEM, INCLUDING THE GROUNDING SYSTEM, SHALL BE COMPLETELY TESTED PRIOR TO THE COMPLETION OF THE PROJECT.
43. THE LOCAL TELEVISION CABLE COMPANY WILL PROVIDE CO-AX CABLE TO ONE END OF EACH OF THE BUILDINGS. ELECTRICAL CONTRACTOR SHALL RUN THE CABLE FROM INDIVIDUAL UNITS IN EACH BUILDING TO ONE END OF THE BUILDING. COORDINATE LOCATIONS WITH LOCAL TELEVISION CABLE COMPANY.
44. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL UNDERSLAB CONDUIT FOR PHONE SYSTEMS, DATA, ETC. REQUIRED BY OWNER.
45. THE SERVICE EQUIPMENT SHALL BE MARKED WITH THE AVAILABLE FAULT CIRCUIT FIELD MARKING ON THE PANEL.

LIGHT FIXTURE SCHEDULE

SYMBOL	MARK	MANUFACTURER CATALOG NO.	VOLTS	WATTAGE	ORDERING CODE	MOUNTING	FIXTURE NOTES
A	A	LITHONIA LDM6-30/20-106-AR-LSS	120	(1)23W L.E.D.	FACTORY INSTALLED	RECESSED CEILING	5' OPEN DOWNLIGHT
B	B	LITHONIA ZPM3M-C-B-432-32-LD-GE810S	120	(4)15W FLOOR	F3218/SPK30/ECO	RECESSED CEILING	2X4 LAYN PARABOLIC 1.2,3.5
C	C	LITHONIA ZPM3M-C-B-417-16-LD-GE810S	120	(2)17W FLOOR	F1718/SPK30/ECO	RECESSED CEILING	2X2 LAYN PARABOLIC 1.2,3.5
D	D	LITHONIA LDM6-30/20-106-AR-LSS	120	(1)23W L.E.D.	FACTORY INSTALLED	RECESSED CEILING	6" WALLWASH DOWNLIGHT 1.2,3.5
E1	E1	ARKANSAS LIGHTING 4185P	120	(3)6W L.E.D.	RW E26 G25	SUSPENDED CEILING	PENDANT LOBBY 5,10
E2	E2	ARKANSAS LIGHTING 4186P	120	(3)6W L.E.D.	SW E26 PLUCK	SUSPENDED CEILING	PENDANT BRINK 5,10
E3	E3	ARKANSAS LIGHTING 4186P	120	(3)6W L.E.D.	SW E26 PLUCK	SUSPENDED CEILING	PENDANT BRINK 5,10
E4	E4	ARKANSAS LIGHTING 4187P-LED-30	120	(3)6W L.E.D.	FACTORY INSTALLED	SUSPENDED CEILING	PENDANT MEETING ROOM 5,10
F1	F1	ARKANSAS LIGHTING 4170C-LED	120	(1)7W L.E.D.	FACTORY INSTALLED	SURFACE WALL	SCENE PREFUNCTION
F2	F2	ARKANSAS LIGHTING 4042C	120	(2)7W L.E.D.	7LB01030K0J-LED	SURFACE WALL	SCENE CORRIDOR 5,10
G	G	LITHONIA ZSP8-C-432-A12125-GE810S	120	(4)32W FLOOR	F3218/SPK30/ECO	RECESSED CEILING	2X4 LAYN ACRYLIC LENS 1.2,3.5
H	H	LITHONIA LDM6-30/20-106-AR-LSS-WL	120	(1)23W L.E.D.	FACTORY INSTALLED	RECESSED CEILING	6" DOWNLIGHT 5,7,9
J	J	LITHONIA LB-232-GE810S	120	(2)32W FLOOR	F3218/SPK30/ECO	SURFACE CEILING	4" WRAP GENERAL 5,10
L	L	LITHONIA LB-232-GE810S	120	(2)32W FLOOR	F3218/SPK30/ECO	SURFACE CEILING	4" WRAP GENERAL 5,10
M	M	LITHONIA ZSP8-T-432-A12125-GE810S	120	(4)32W FLOOR	F3218/SPK30/ECO	SURFACE CEILING	2X4 LAYN ACRYLIC LENS 1.2,3.5
O	O	LITHONIA LDM4-30/10-104-AR-LSS	120	(1)15W L.E.D.	FACTORY INSTALLED	RECESSED CEILING	4" OPEN DOWNLIGHT 5,7,9
P	P	LITHONIA CB-232-GE810S	120	(2)32W FLOOR	F3218/SPK30/ECO	SURFACE CEILING	4" STRIP STAIRWELLS 1.2,3.5
Q	Q	PHI MLNS-2-0F-P9-120-18	120	(2)32W FLOOR	F3218/SPK30/ECO	RECESSED CEILING	RECESSED STRIP EXPRESS 1.2,3.5
R	R	ARKANSAS LIGHTING 4036C	120	(2)7W L.E.D.	7LB01030K0J-LED	SURFACE CEILING	GUEST ROOMS 5,10
1	1	LITHONIA DSK1 LED-RCC-700-40K-TSM-200-30W-25-25-35-DM03AS-BC	208	(1)151W L.E.D.	FACTORY INSTALLED	POLE LIGHT	SITE LIGHT 5,7,9
2	2	DECORUS USA DU-50-HR24	208	(1)15W L.E.D.	FACTORY INSTALLED	SURFACE WALL	BUILDING SPLIGHT 5,7,9
3	3	DECORUS USA DU-50-HR12 W/ DU-95-12	208	(1)15W L.E.D.	FACTORY INSTALLED	SURFACE WALL	CONDUIT SPLIGHT 5,7,9
4	4	LITHONIA DSK1 LED-RCC-700-40K-TSM-200-30W-25-25-35-DM03AS-BC	208	(1)141W L.E.D.	FACTORY INSTALLED	SURFACE WALL	SKY LIGHT 5,7,9
5	5	LITHONIA DSK1 LED-RCC-700-40K-TSM-200-30W-25-25-35-DM03AS-BC	208	(1)141W L.E.D.	FACTORY INSTALLED	SURFACE WALL	SKY LIGHT 5,7,9
EM	EM	LITHONIA LU2-LED-M12	120	AS REQ'D FOR MANUFACTURER	UNIVERSAL	WALL/CEILING	EMERGENCY 5,8
RH	RH	LITHONIA AFN-BN-PREM	120	AS REQ'D FOR MANUFACTURER	UNIVERSAL	WALL/CEILING	EXTERIOR GRESS 5
XE	XE	LITHONIA ECR-LED-M6	120	REQ'D FOR MANUFACTURER	UNIVERSAL	WALL/CEILING	EXIT 5,8

- NOTES:
1. ALL FLUORESCENT LAMP SHALL BE ENERGY EFFICIENT "SUPER SAVER", OR WESTINGHOUSE "ECONOMIZER" OR EQUAL.
 2. SWITCHES SHALL BE BY MULLER ELECTRONIC SHALL BE MOUNTED 120" OR EQUAL.
 3. ALL FIXTURES SHALL BE PHOTO METER MEASURED. FINISHED INTERIOR HOUSING SHALL HAVE A REFLECTANCE OF 50%.
 4. FIXTURES SHALL BE PHOTO METER MEASURED. FINISHED INTERIOR HOUSING SHALL HAVE A REFLECTANCE OF 50%.
 5. MANUFACTURERS AND MODEL NUMBERS LISTED ABOVE ARE TO BE VIEWED AS A MINIMUM STANDARD. PHOTOMETRICS ARE BASED ON HOME FIXTURES. SUBSTITUTIONS MAY RESULT IN LIGHT LEVELS DIFFERENT THAN DESIRED.
 6. DESIGNATED "W" FIXTURES SHALL HAVE LENSES THAT ARE APPROVED BY LAMP MANUFACTURER AND U.L. LISTING IS REQUIRED.
 7. FIXTURE SUITABLE FOR INSTALLATION IN WET LOCATIONS.
 8. LIGHT FIXTURE WITH EMERGENCY BATTERY PACK.
 9. CONTROLLED VIA PHOTOCELL ON ROOF.
 10. COORDINATE WITH OWNER OWNER AND IING FOR CORRECT FIXTURE SELECTION AND COLOR SCHEME.
- NOTE: ALL LIGHT FIXTURES TO BE SUBMITTED TO OWNER & IING FOR APPROVAL.

Order Plans

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