ELECTRICAL LEGEND

Symbol	Description
S	WALL SWITCH SINGLE POLE SINGLE THROW, 48" AFF UNO.
S_3	WALL SWITCH 3-WAY, SINGLE POLE SINGLE THROW, 48" AFF UNO.
S_O	WALL OCCUPANCY SENSOR-SINGLE OR 3 WAY, 48" AFF UNO. DUAL TECHNOLOGY, MOTION AND INFRA-RED.
	WALL/CEILING-MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGY, MOTION AND INFRA-RED.
D	WALL MOUNTED DIMMER SWITCH, WATTAGE NOTED (SIZE/WATTAGE AS REQUIRED), 48" AFF UNO.
D_3	WALL MOUNTED 3-WAY DIMMER SWITCH, WATTAGE NOTED (SIZE/WATTAGE AS REQUIRED), 48" AFF UNO.
	DUPLEX RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
	SINGLE RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
	DUPLEX RECEPTACLE, CEILING MOUNTED
	DUPLEX RECEPTACLE, WALL MOUNTED AFF, OR 8" ABOVE COUNTER UNO.
	SWITCHED OUTLET
USB	USB OUTLET WALL MOUNTED, 18" AFF UNO.
	QUAD RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
	QUAD RECEPTACLE, WALL MOUNTED AFF, OR 8" AVOBE COUNTER UNO.
	DUPLEX "GFCI" RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
	DUPLEX "GFCI" RECEPTACLE, WALL MOUNTED AFF, OR 8" ABOVE COUNTER UNO.
	SPECIAL OUTLET WALL MOUNTED, 18" AFF UNO.
	DUPLEX RECEPTACLE, IN FLUSH FLOOR BOX
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	SURFACE MOUNTED PANELBOARD
	FLUSH MOUNTED PANELBOARD
	SAFETY SWITCH, NON FUSED TYPE
	SAFETY SWITCH, FUSED TYPE
	PUSH BUTTON, WALL MOUNTED 46" AFF
	EXHAUST FAN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
	CONDUIT EXPOSED TO VIEW UNLESS OTHERWISE NOTED
	WIRE CONCEALED IN CEILING, CAVITY OR WALL
	CONDUIT CONCEALED IN FLOOR, SLAB OR UNDERGROUND
	CONDUIT UP/CONDUIT DOWN
	1X4 WALL MOUNTED WRAP AROUND FLUORESCENT FIXTURE. SEE LIGHT FIXTURE SCHEDULE.
	EMERGENCY FIXTURE WITH 90 MIN BATTERY. 1400 LUMEN BALLAST
	INDUSTRIAL FLUORESCENT STRIP FIXTURE, SURFACE OR STRIP SUSPENDED. SEE LIGHT FIXTURE SCHEDULE.
	EMERGENCY FIXTURE WITH 90 MIN BATTERY. 1400 LUMEN BALLAST
	BATTERY POWER EMERGENCY LIGHT (PROVIDE UNSWITCHED HOT WIRE) SEE LIGHT FIXTURE SCHEDULE.
	EMERGENCY REMOTE HEAD INTERCONNECTED TO EXIT SIGN. OVERSIZE BATTERY IN EXIT SIGN.
	EXIT SIGN, CEILING/WALL MOUNTED ARROWS AS REQUIRED. (PROVIDE UNSWITCHED HOT WIRE) SEE LIGHT FIXTURE SCHEDULE.
	TRACK LIGHTING NUMBER OF HEADS AND LENGTH AS INDICATED ON DRAWINGS. SEE LIGHT FIXTURE SCHEDULE.
	2'x4' RECESSED MOUNTED FLUORESCENT FIXTURE. SEE LIGHT FIXTURE SCHEDULE.
	SURFACE OR RECESSED LIGHT FIXTURE. SEE LIGHT FIXTURE SCHEDULE.
	SURFACE OR RECESSED WALL WASHER. SEE LIGHT FIXTURE SCHEDULE.
	WALL MOUNTED LIGHT FIXTURE COORDINATE MOUNTING HEIGHT WITH ARCHITECT. SEE LIGHT FIXTURE SCHEDULE.
	1'X4' SURFACE FLUORESCENT FIXTURE. SEE LIGHT FIXTURE SCHEDULE.
	EMERGENCY FIXTURE WITH 90 MIN BATTERY. 1400 LUMEN BALLAST
	SURFACE MOUNTED HID LIGHT FIXTURE.
	WALL MOUNTED HID LIGHT FIXTURE. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
	EXTERIOR POLE FIXTURE. COORDINATE EXACT POLE HEIGHT WITH ARCHITECT.
	CEILING FAN. SEE LIGHT FIXTURE SCHEDULE.
TC	TIME CLOCK / PHOTOCELL
	METER / METER ABOVE CT CABINET

FIRE ALARM LEGEND

Symbol	Description
	CEILING/WALL MOUNTED HEAT DETECTOR
	SINGLE STATION 110V COMBINATION CARBON MONOXIDE/SMOKE DETECTOR WITH BATTERY BACKUP, CEILING/WALL MOUNTED
	SINGLE RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
SD	CEILING/WALL MOUNTED SYSTEM SMOKE DETECTOR
SD	SMOKE DETECTOR AIR DUCT MOUNTED
T F P	FIRE ALARM TAMPER, FLOW AND PRESSURE SWITCH RESPECTIVELY (COORDINATE EXACT QUANTITY AND LOCATION WITH SPRINKLER SHOP DRAWINGS)
	FIRE ALARM ADA APPROVED VISUAL STROBE DEVICE, 80" AFF
	FIRE ALARM LOW FREQUENCY SOUNDER DEVICE, 80" AFF
	FIRE ALARM ADA APPROVED PULLSTATION, 48" AFF
	FIRE ALARM ADA APPROVED HORN/STROBE DEVICE, 80" AFF
	CEILING-MOUNTED FIRE ALARM ADA APPROVED HORN/STROBE DEVICE
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL

TELE / DATA LEGEND

Symbol	Description
	WALL MOUNTED VOICE/DATA OUTLET, 18"AFF, 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	WALL MOUNTED TELEPHONE OUTLET 18"AFF, PROVIDE (1) CAT5E CABLE AND TERMINATION PLATE.
	WALL MOUNTED DATA OUTLET, 18" AFF - 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	ABOVE COUNTER WALL MOUNTED DATA OUTLET, 8" ACT, U.N.O. - 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	ABOVE COUNTER WALL MOUNTED DATA/TELEPHONE OUTLET, 8" ACT, U.N.O - 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	ABOVE COUNTER WALL MOUNTED DUAL JACK TELEPHONE OUTLET, 8" ACT, U.NO. - 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	VOICE/DATA, IN FLUSH FLOOR BOX, PROVIDE 1" CONDUIT MINIMUM UNO IN SLAB TO NEAREST POINT OF ACCESS, AS SHOWN ON DRAWINGS.
	POKE-THRU DEVICE WITH ONE (1) DUPLEX RECEPTACLE AND DATA/COMMUNICATIONS OUTLET(S)
	TV OUTLET WITH ONE (1) COAX F TYPE CONNECTOR. PROVIDE ¾" C AND ONE RG6 CABLE FROM OUTLET TO NEAREST CATV BACKBOARD. MOUNT 18" AFF UNO.
	4'x8'x3/4" FIRE RATED PLYWOOD
S	SPEAKER - COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LOW VOLTAGE CONSULTANT.
CR	SINGLE GANG BOX FOR CARD READER, 48" AFF. PROVIDE 3/4" CONDUIT TO TERMINATION LOCATION DETERMINED BY OWNER.
CB	SINGLE GANG BOX FOR CALL BOX, 60" AFF
DH	MAGNETIC DOOR HOLDER
	SECURITY CAMERA. PROVIDE 3/4" CONDUIT TO TERMINATION LOCATION DETERMINED BY OWNER.
	DUPLEX RECEPTACLE, TV COAX, AND VOICE/DATA FLUSH IN FLOOR, IN THREE-GANG CAST IRON FLOOR BOX PROVIDED BY CONTRACTOR. PROVIDE 1" CONDUIT MINIMUM UNO IN SLAB TO NEAREST POINT OF ACCESS, AS SHOWN ON DRAWINGS.

ELECTRICAL ABBREVIATIONS

ACT	ABOVE COUNTERTOP OR BACKSPLASH	FACP	FIRE ALARM CONTROL PANEL
AC	ALTERNATING CURRENT	FIX	FIXTURE
AL	ALUMINUM	FL	FLOOR
AMP	AMPERES	FU	FUSED
AFF/AFG	ABOVE FINISHED FLOOR/GRADE	GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
AHU	AIR HANDLING UNIT	GND/G	GROUND
APPROX	APPROXIMATELY	H.O.A.	HAND-OFF-AUTOMATIC
ARCH	ARCHITECTURAL	HP	HORSEPOWER
AWG	AMERICAN WIRE GAUGE	IEEE	INSTITUTE OF ELECTRICAL AND
BD	BOARD	ELECTRONIC	ENGINEERS
BLDG	BUILDING	JB	JUNCTION BOX
CAB	CABINET	KVA	KILOVOLT-AMPERE
CAP	CAPACITY	KW	KILOWATT
CATV	CABLE TELEVISION	KAIC	KILO-AMPERE INTERRUPTING CAPACITY
CBB	CABLE TELEVISION BACKBOARD	MCA	MINIMUM CIRCUIT AMPACITY
CKT	CIRCUIT	MCB	MAIN CIRCUIT BREAKER
CLG	CEILING	MECH	MECHANICAL
C/B	CIRCUIT BREAKER	MISC	MISCELLANEOUS
C/L	CENTER LINE	MTR	MOTOR
COL	COLUMN	MTD	MOUNTED
COND/C	CONDUIT	MLO	MAIN LUG ONLY
CONN	CONNECTION	MOCP	MAXIMUM OVERCURRENT PROTECTION
CONT	CONTINUATION	M.O.D.	MOTOR OPERATED DAMPER
C&P	CORD AND PLUG	MRS	MOTOR RATED SWITCH
CPT	CONTROL POWER TRANSFORMER	NEC	NATIONAL ELECTRICAL CODE
CT	CURRENT TRANSFORMER	NES	NASHVILLE ELECTRIC SERVICE
CU	COPPER	NF	NONFUSED
DET	DETAIL	NL	NIGHT LIGHT
DF/EDF	ELECTRICAL DRINKING FOUNTAIN	NO.	NUMBER
DN	DOWN	NTS	NOT TO SCALE
DS	DISCONNECT SWITCH	P.I.V.	POST INDICATOR VALVE
DWG	DRAWING	PNL	PANEL
EA	EACH	PVC	POLYVINYL CHLORIDE CONDUIT
EC	ELECTRICAL CONTRACTOR	RTU	ROOF TOP UNIT
EF	EXHAUST FAN	SH	SHEET
ELEC	ELECTRIC	SW	SWITCH
EQ	EQUIPMENT	TR	TRANSFORMER
EX	EXISTING	TBB	TELEPHONE BACKBOARD
FA	FIRE ALARM	TELE	TELEPHONE
FSD	FIRE SMOKE DAMPER	UNO	UNLESS NOTED OTHERWISE
		WP	WEATHERPROOF

DEDUCTIVE ALTERNATE

EMERGENCY RESPONDER RADIO COVERAGE

PROVIDE A BOOSTER SYSTEM, PER SPECIFICATION 285000, FOR THE ENTIRE BUILDING TO BOOST THE RADIO COVERAGE/STRENGTH ADEQUATE FOR THE PUBLIC SAFETY COMMUNICATIONS SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING. PROVIDE CONDUIT INFRASTRUCTURE, UNDER BID, DURING CONSTRUCTION SUCH THAT NO CONDUIT WILL HAVE TO BE ADDED AT END OF PROJECT IF BUILDING REQUIRES BOOSTER SYSTEM. AS PART OF BASE BID, PROVIDE TESTING FOR EMERGENCY RESPONDER SIGNAL AT TIME OF SHEET ROCKING, PER SPECIFICATION SECTION 285500.

ELECTRICAL GENERAL NOTES

1. ALL WORK THIS DIVISION SHALL COMPLY WITH ALL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES, AND THE REQUIREMENTS OF 2014 NATIONAL ELECTRICAL CODE.
2. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF HIS/HER WORK HE/SHE SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
3. ALL SYSTEMS, EQUIPMENT, COMPONENTS, WORK, ETC. PROVIDED UNDER THIS DIVISION SHALL BE COVERED BY A ONE YEAR GUARANTEE STARTING AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER . ANY DEFECTS IN THE WORK, SYSTEMS, EQUIPMENT, OR COMPONENTS FOUND DURING THIS YEAR SHALL BE CORRECTED AT NO CHARGE. THE GUARANTEE SHALL INCLUDE PROVIDING ALL NECESSARY CUTTING, PATCHWORK, REPAINTING, ETC. TO MAKE THE WORK COMPLETE AND NEW.
4. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER WITH TYPE "THW" OR "THHN" INSULATION AND THE MINIMUM WIRE SIZE SHALL BE #14 A.W.G. FOR 15A WHERE USED IN RESIDENTIAL/LIVING UNITS AND #12 A.W.G FOR 20A CIRCUITS UNLESS NOTED OTHERWISE, OR NOT ALLOWED BY LOCAL JURISDICTION HAVING AUTHORITY.
5. ALL WORK MUST BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO GENERALLY ACCEPTED PRINCIPALS OF FIRST CLASS WORKMANSHIP.
6. ALL PENETRATIONS THRU RATED WALLS, FLOORS AND CEILINGS SHALL BE FIRE STOPPED PER N.E.C. 300.21. ALSO SEE SHEET E0.2. FIRE STOPPING SHALL MATCH UL RATING OF WALL, FLOOR, OR CEILING PENETRATED.
7. ALL SWITCHES FOR FANS, LIGHTS, ETC. WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
8. COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH EQUIPMENT.
9. PROVIDE A TYPE WRITTEN DIRECTORY FOR ALL PANELS AND LOAD CENTERS. CORRECTLY LABEL ALL CIRCUITS, SPARES, AND SPACES.
10. LABEL AND IDENTIFY ALL JUNCTION BOXES, WIREWAYS AND MAJOR SWITCHES AT THE TIME OF INSTALLATION. PROVIDE PERMANENT NAMEPLATES/LABELS AS SPECIFIED PRIOR TO FINAL INSPECTION.
11. VERIFY LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH-IN.
12. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS. WIRING SHALL BE INSTALLED AT DEPTHS BELOW FINISHED GRADE (BELOW SLAB AND SUB-BASE LEVEL) AS PER NEC ARTICLE 300.50.
13. MINIMUM HOMERUN CONDUIT SIZE SHALL BE:
    A. ABOVE GRADE: 1/2"
    B. BELOW GRADE: 3/4"
14. COMMON NEUTRAL MAY BE USED AS PERMITTED BY NEC FOR MULITWIRE BRANCH CIRCUITS. SEPARATE NEUTRAL SHALL BE PROVIDED FOR ALL CIRCUITS CONNECTED TO GROUND FAULT CIRCUIT INTERRUPTER TYPE DEVICES, UNLESS OTHERWISE NOTED. SEPARATE NEUTRAL SHALL BE PROVIDED FOR ALL ARC FAULT CIRCUIT INTERRUPTER CIRCUITS.
15. ALL BRANCH CIRCUITS SHALL INCLUDE A GREEN INSULATED GROUND WIRE, SIZED PER NEC TABLE 250.122 OR AS SHOWN, CONNECTED TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PANEL BOARD GROUND BUS. MULTIPLE WIRE BRANCH CIRCUITS WITH COMMON NEUTRAL REQUIRE ONLY ONE GROUND WIRE, UNLESS OTHERWISE NOTED.
16. IN CASES WHERE CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATION, OR BETWEEN DIFFERENT TRADES. AS WELL AS CASES OF ANY OMISSION OF INFORMATION, NOTIFY THE ARCHITECT AND PROCURE RESOLUTION OF THE CONFLICT OR OMISSION BEFORE PROCEEDING WITH THE INSTALLATION.
17. ALL 15A AND/OR 20A BRANCH RECEPTACLE CIRCUITS FOR 120V CIRCUITS LONGER THAN 70'-0" SHALL BE MINIMUM #10 AWG, LONGER THAN 150' SHALL BE #8 AWG.
18. THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATION OF ELECTRICAL WORK, DATA PRESENTED ON THE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD VERIFICATION OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC., TO SUIT FIELD CONDITION IS REQUIRED. REVIEW ALL ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN.
19. COORDINATE WITH OTHER TRADES SO THAT INSTALLATION OF ELECTRICAL OUTLETS AND EQUIPMENT WILL BE PROPERLY COORDINATED. CHECK CONDUIT, FIXTURE AND OTHER EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICT WITH THE PIPING DUCT WORK, STEEL PIPING, BEAM, OR OTHER OBSTRUCTIONS.
20. REFER TO ARCHITECTURAL/INTERIOR DESIGNER DRAWINGS FOR EXACT SPECIFICATION, LOCATION AND QUANTITY OF ELECTRICAL DEVICES AND LIGHT FIXTURES.
21. THE GENERAL CONTRACTOR SHALL PROVIDE NOTICE TO THE ARCHITECT/ENGINEER THAT THERE HAS BEEN A FACE-TO-FACE MEETING WITH THE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL SUBCONTRACTORS TO COORDINATE THEIR WORK. THIS MUST BE DONE PRIOR TO ORDERING ANY EQUIPMENT AND SHALL SERVE TO MATCH THE VOLTAGE, PHASE, AMPS, MCA, AND MOCP OF THE EQUIPMENT WITH THE DESIGNED ELECTRICAL CHARACTERISTICS. AFTER THIS MEETING HAS BEEN HELD THE GENERAL CONTRACTOR SHALL PROVIDE NOTICE (IN WRITING) TO THE A/E THAT THIS HAS BEEN DONE AND THERE ARE NO DISCREPANCIES. FAILURE TO MEET DOES NOT ENTITLE CONTRACTOR TO A CHANGE ORDER FOR INCOMPATIBLE EQUIPMENT AND SERVICE CHARACTERISTICS.
22. PROVIDE UNSWITCHED HOT WIRE TO ALL EMERGENCY/EXIT LIGHTING.
23. PROVIDE SEALING OF ALL OUTLET BOXES PER LOCAL FIRE CODE.
24. COMBUSTIBLE MATERIALS ARE NOT ALLOWED WITHIN AREAS WHERE PLENUM AIR SYSTEMS ARE BEING USED.
25. THE CONTRACTOR SHALL PROVIDE AND INSTALL WIRING AND CIRCUIT ALL EQUIPMENT, MOTORS, AND OTHER ITEMS NOT EXPLICITLY SHOWN, BUT INDICATED, IN CONTRACT DOCUMENTS OR IN SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF SAID ITEMS BETWEEN ALL TRADES.
26. NO PIPING, DUCT, OR EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE INSTALLED ABOVE ANY ELECTRICAL PANELBOARD, LOAD CENTER, MOTOR CONTROL CENTER, OR SWITCHBOARD. PER NEC ARTICLE 110.26 (a) (3).
27. THERE SHALL BE NO BACK TO BACK RECEPTACLE WITHIN FIRE RATED WALLS. PROVIDE MINIMUM HORIZONTAL SPACE BETWEEN OUTLETS AT OPPOSITE SIDES OF A FIRE RATED WALL.
28. GFCI RECEPTACLE WITH IN-USE WEATHERPROOF COVER PLATE. IN-USE WEATHERPROOF COVER PLATE SHALL BE: STEEL CITY "WTG100-CV-L" OR APPROVED EQUAL.
29. SEE E6.01 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
30. FIRE ALARM SYSTEM PROVIDED BY ELECTRICAL SUBCONTRACTOR PER NFPA 101, NFPA 72 AND IBC.
31. NAME PLATES FOR DISCONNECT SWITCHES SHALL BE PRINTED LABELS.
32. BELOW GRADE RACEWAY INSTALLATIONS - DIRECT BURIAL CONDUIT SHALL BE INSTALLED AT CODE REQUIRED BURIAL DEPTHS
33. RACEWAY INSTALLATIONS WITHIN CONCRETE - CONDUIT SHALL BE RUN FOLLOWING THE MOST DIRECT ROUTE BETWEEN POINTS. CONDUIT SHALL NOT BE INSTALLED WITHIN CONCRETE WHERE THE OUTSIDE DIAMETER IS LARGER THAN 1/3 OF THE SLAB THICKNESS.
34. IN BUILDINGS WITH MULTIPLE SERVICES, PROVIDE A PLAQUE AT EACH ELECTRICAL SERVICE DENOTING THE LOCATION OF ALL OTHER SERVICES WITHIN THE BUILDING.
35. TYPE NM CABLE IS NOT ALLOWED EXPOSED IN HVAC CLOSETS. PROVIDE TYPE MC CABLE OR ROUTE TYPE NM CABLE IN FLEXIBLE METALLIC CONDUIT SO THAT NM CABLE IS NOT EXPOSED IN CLOSET.
36. ALL EXTERIOR ENTRY DOORS SHALL BE EQUIPPED WITH ELECTRIC STRIKE PLATES AND EITHER CARD OR PROXIMITY READERS. COORDINATE LOCATION AND REQUIREMENTS WITH LOW VOLTAGE INSTALLER PRIOR TO BID.
37. PROVIDE OCCUPANCY SENSORS TO CONTROL LIGHTING IN ALL COMMON AREA RESTROOMS, OFFICES, STORAGE ROOMS, AMENTIES,ETC.
38. CONTRACTOR SHALL PROVIDE HOMERUN FROM SWITCH BOX PER NEC 404.2C.
39. CONDUIT FILL PER CODE
40. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE LIGHTS, HVAC REGISTERS AND SPRINKLERS. IN ADDITION, THE CONTRACTOR SHALL VERIFY CEILING TYPES PRIOR TO ORDER FIXTURES.
41. ALL LIGHTING FIXTURES SHALL BE SUPPORTED INDEPENDENT OF THE CEILING USING #12 GALVANIZED STEEL WIRES, TWO WIRES AT OPPOSITE CORNERS OF THE FIXTURES.
42. ALL ITEMS ON THE DRAWINGS SHALL BE NEW AND BEAR THE U.L. LABEL.
43. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE TRANSFORMER WITH THE LOCAL UTILITY COMPANY. FURTHER HE SHALL OBTAIN A DETAIL OF THE CONCRETE PAD FOR THE TRANSFORMER AND COORDINATE ANY METERING EQUIPMENT TO BE FURNISHED AND SHALL DO SO AT NO ADDITIONAL COST TO THE OWNER.
44. WHERE WALLS ARE FIRE OR SMOKE RATED THE CONTRACTOR SHALL DO HIS INSTALLATION TO PREVENT VIOLATING THE RATING OF THE WALL, THIS MEANS COMPLYING WITH ALL U.L. REGULATIONS.
45. FIRE WALLS SHALL HAVE PUTTY PADS ON METALLIC BOXES UNLESS BOXES ARE RATED FOR RATING OF THE WALL.
46. PROVIDE A GROUND BAR AT EACH TELEPHONE BACKBOARD AND/OR MDF (HUB/ROUTER ROOM) AND TERMINATE USING A TERMINAL STRIP THAT CONTAINS NO LESS THAN TEN (10) PLACES FOR ADDITIONAL WIRES. BOND TO MAIN GROUND (#6 AWG) AT ELEC. RM.
47. DO NOT SCALE DRAWINGS, LOCATION OF EQUIPMENT ARE APPROXIMATE, ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO PROVIDE PROPER WORKING CLEARANCE.
48. ALL CONDUCTORS FOR EXTERIOR LIGHTING CIRCUITS SHALL BE MINIMUM #10 AWG (UNLESS OTHERWISE NOTED), EXCEPT THE CONDUCTORS FROM THE HANDHOLE UP THE POLE TO THE BALLAST MAY BE #12 AWG.
49. THE CONTRACTOR SHALL MEASURE THE GROUND RESISTANCE, USING THE "FALL OF POTENTIAL METHOD" AND SUBMIT THE RESULTS TO THE A/E VIA EMAIL USING "WORD" SOFTWARE. IF THERE IS DIFFICULTY ACHIEVING 5 OHMS OR LESS THE CONTRACTOR SHALL CONTINUE TO DRIVE GROUND RODS OR ADD A NON TOXIC ENVIRONMENTALLY FRIENDLY MAGNESIUM SULFATE TO ACHIEVE THE 5 OHMS OR LESS TO GROUND. THE GROUNDING IINFORMATION SHOULD BE SIGNED BY A TECHNICIAN. THE TYPE OF INSTRUMENT USE TO PERFORM THE TEST SHALL BE INCLUDED IN THE REPORT. THE TEST SHALL NOT BE DONE IF THERE HAD BEEN RAINFALL IN THE PREVIOUS 24 HOUR PERIOD. THIS SHALL BE DONE AT THE BEGINNING OF THE CONSTRUCTION PROCESS AND NOT AT THE END. ALL GROUNDS SHALL BE INTERCONNECTED AT THE MAIN GROUNDING ELECTRODE USING A ERICO MODEL TGB-A16L08PT MOUNTED ADJACENT TO THE MAIN SERVICE EQUIPMENT OR MAIN SWITCH.
50. COORDINATE LOCATION AND QUANTITY OF FIRE / SMOKE DAMPERS WITH MECHANICAL CONTRACTOR PRIOR TO BID. COORDINATION OF LOCATIONS AND QUANTITIES WILL OVERRIDE LOCATIONS AND QUANTITIES INDICATED ON ELECTRICAL DRAWINGS. PROVIDE A 120V UNSWITCHED CIRCUIT TO EACH FIRE / SMOKE DAMPER. PROVIDE A DUCT MOUNTED SMOKE DETECTOR FOR EACH FIRE / SMOKE DAMPER. CONNECT DUCT MOUNTED SMOKE DETECTOR AND FIRE / SMOKE DAMPER TO FIRE ALARM SYSTEM. A CHANGE ORDER WILL NOT BE ALLOWED FOR LACK OF COORDINATION BETWEEN THE ELECTRICAL AND MECHANICAL CONTRACTOR FOR LOCATION AND QUANTITY OF FIRE / SMOKE DAMPERS.
51. COORDINATE REQUIREMENTS FOR TELEPHONE AND CABLE TELEVISION SERVICES WITH UTILITY PROVIDER PRIOR TO BID. UTILITY COMPANY REQUIREMENTS SHALL OVERRIDE REQUIREMENTS INDICATED HEREIN.
52. SEE FAIR HOUSING NOTES ON UNIT PLAN DRAWINGS FOR ADDITIONAL INFORMATION ON DEVICE MOUNTING HEIGHTS. IN "HC" UNITS, DIMENSIONS SHALL BE TO TOP OF ROUGH-IN BOX.
53. EXCEPT IN DWELLING UNITS, ALL SERVICE EQUIPMENT SHALL BE LABELED WITH THE MAXIMUM AVAILABLE FAULT CURRENT PROVIDED BY THE SERVICE EQUIPMENT MANUFACTURER. LABEL SHALL INCLUDE THE DATE OF CALCULATIONS. RECALCULATE AND RELABEL AS NECESSARY IN RENOVATIONS. (NEC 110.24)

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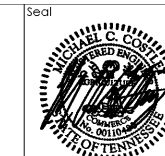

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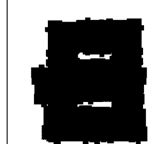

Drawing Title:
Electrical Notes,
Legends, Abbreviations

ISSUED FOR CONSTRUCTION

E0.1