

# ELECTRICAL SYMBOL LEGEND

## LIGHTING SYSTEMS SYMBOLS:

- ☉ CEILING FIXTURE, LETTER IN SYMBOL DENOTES TYPE OF FIXTURE.
- Ⓛ LIGHTING FIXTURE, LETTER IN SYMBOL DENOTES TYPE OF FIXTURE.
- 13 2 LED LIGHTING FIXTURE, SURFACE MOUNTED OR RECESSED, NUMBER (2) REPRESENTS CIRCUIT NUMBER, F3 REPRESENTS FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) AND LOWER CASE SUBSCRIPT (e.g., 'b') REPRESENTS RELAY IN LIGHTING CONTROLLER (SEE LOW VOLTAGE SWITCH SCHEDULE).
- ☐ LIGHTING FIXTURE, SURFACE MOUNTED OR RECESSED FOR LIFE SAFETY.
- ☐ LIGHTING FIXTURE, SURFACE MOUNTED OR RECESSED FOR 24/7 OPERATION.
- ☐ LED STRIP OR INDUSTRIAL FIXTURE, SURFACE MOUNTED OR SUSPENDED.
- ☐ WALL MOUNT LIGHT FIXTURE, LETTER DENOTES TYPE OF FIXTURE.
- ☐ INGRADE LIGHT FIXTURE, LETTER DENOTES TYPE OF FIXTURE.
- ☐ EXIT LIGHT SURFACE MOUNTED ON CEILING, ARROWS INDICATE WHAT DIRECTION FACE SHOULD BE IN AND WHERE ARROWS SHALL BE SHOWN, IF NO ARROWS ARE SHOWN, THEN ALIGN FACE INTO CORRIDOR OR OPEN ROOM WITH NO ARROWS.
- ☐ EXIT LIGHT BRACKET MOUNTED OVER DOOR OR WALL MOUNTED AS INDICATED.
- S SWITCH, SINGLE POLE, 20A, TOGGLE, FLUSH MOUNTED 48" A.F.F. TO THE TOP OF THE BOX.
- S<sub>3</sub> SWITCH, THREE WAY, 20A, TOGGLE, FLUSH MOUNTED 48" A.F.F. TO THE TOP OF THE BOX.
- S WP SWITCH, SINGLE POLE, 20A, TOGGLE, FLUSH MOUNTED 48" A.F.F. TO THE TOP OF THE BOX, MOUNT IN A WEATHERPROOF BOX AND COVER.
- ☐ LOW VOLTAGE CONTROL SWITCH, FLUSH MOUNTED 48" A.F.F. TO THE CENTER OF THE BOX, LETTER REPRESENTS INDIVIDUAL SWITCH, SEE LOW VOLTAGE SWITCH SCHEDULE FOR BUTTON/RELAY CONFIGURATION.
- S<sub>A</sub> LINE VOLTAGE OCCUPANCY SENSOR SWITCH, FLUSH MOUNTED 48" A.F.F. TO THE TOP OF THE BOX, MANUAL "ON", MANUAL/OCCUPANCY SENSOR "OFF".
- S<sub>D</sub> LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH, FLUSH MOUNTED 48" A.F.F. TO THE TOP OF THE BOX, MANUAL "ON", MANUAL/OCCUPANCY SENSOR "OFF" WITH 0-10V DIMMING, HUBBELL #HDM1S2-XX OR EQUAL, PROVIDE DIMMING CIRCUIT PER MANUFACTURER'S RECOMMENDATIONS.
- ☐ LINE VOLTAGE PHOTO CELL, MOUNT DEVICE PER MANUFACTURER'S RECOMMENDATIONS.
- ☐ LOW VOLTAGE DUAL TECHNOLOGY, CEILING MOUNTED OCCUPANCY SENSOR, ALL SENSORS SHALL BE DASH CHAINED TOGETHER AND HOMERUN TO ROOM CONTROLLER LC OR CONTROL PANEL, MOUNT SENSOR BASED ON MANUFACTURER'S RECOMMENDED LOCATION.
- ☐ LIGHTING ROOM CONTROLLER EQUAL TO HUBBELL #NKR2-3RD-UNV.
- ☐ LIGHTING ROOM CONTROLLER WITH UL-924 TRANSFER RELAY FOR EMERGENCY POWER.
- ☐ EMERGENCY LIGHT UNIT.

## RACEWAY SYMBOLS:

- BRANCH CIRCUIT, CONCEALED ABOVE CEILING OR IN WALL, 1/2", UNLESS NOTED, WITH GREEN GROUNDING ELECTRODE CONDUCTOR IN ADDITION TO CIRCUIT SHOWN, MINIMUM #12 AWG COPPER.
- - - BRANCH CIRCUIT, EXPOSED IN BAR JOIST SPACE, BELOW CEILING OR ON WALLS, 1/2", UNLESS NOTED, WITH GREEN GROUNDING ELECTRODE CONDUCTOR IN ADDITION TO CIRCUIT SHOWN, MINIMUM #12 AWG COPPER, ROUTE PERPENDICULAR AND PARALLEL WITH STRUCTURAL MEMBERS.
- - - BRANCH CIRCUIT, CONCEALED IN SLAB BELOW SLAB, OR BELOW GRADE, WITH GREEN GROUNDING ELECTRODE CONDUCTOR IN ADDITION TO CIRCUIT SHOWN, MINIMUM #12 AWG COPPER.
- BRANCH CIRCUIT, HOMERUN TO PANEL, CIRCUIT SHOWN INDICATES 2#12 & 1#12(2) 1/2", TO ONE 20A/1P CIRCUIT BREAKER.
- INDICATES 4#12 & 1#12(2) 1/2", TO TWO 20A/1P BREAKERS.
- INDICATES 4#12 & 1#12(2) 1/2", TO THREE 20A/1P BREAKERS.
- BRANCH CIRCUIT WITH #8 AWG WIRING IN CONDUIT SIZE 1/2" N.E.C. FOR 3/4" CONDUIT SHOWN, NUMBER INDICATES CONDUCTORS PER CIRCUIT.
- NIGHT LIGHT CIRCUIT, CONSTANT HOT FOR 24/7 OPERATION.
- DIMMING CONTROL WIRING ALONG WITH LIGHTING CIRCUIT, PROVIDE AS MANUFACTURER'S RECOMMENDATIONS.

## FIRE ALARM SYSTEM SYMBOLS:

- FACP FIRE ALARM SYSTEM CONTROL PANEL, TYPE A 20A, IN DEDICATED CIRCUIT.
- RAP FIRE ALARM SYSTEM REMOTE ANNUNCIATION PANEL, FLUSH WALL MOUNTED, VERIFY LOCATION WITH LOCAL AUTHORITY HAVING JURISDICTION.
- H FIRE ALARM SYSTEM MANUAL PULL STATION, FLUSH MOUNTED 48" A.F.F. TO THE TOP OF THE BOX.
- AD FIRE ALARM SYSTEM FOR STROBE, MOUNT AT 80" A.F.F. MUST MEET "ADA" REQUIREMENTS.
- HSP FIRE ALARM SYSTEM HORN/STROBE, MOUNT AT 80" A.F.F. MUST MEET "ADA" REQUIREMENTS.
- F FIRE ALARM SYSTEM STROBE ONLY UNIT, WALL MOUNTED 80" A.F.F. MUST MEET "ADA" REQUIREMENTS.
- Ⓛ FIRE ALARM SYSTEM HEAT DETECTOR, CEILING MOUNTED, 135° F.
- Ⓛ<sub>H</sub> FIRE ALARM SYSTEM HEAT DETECTOR, CEILING MOUNTED, 190° F.
- Ⓛ<sub>CO</sub> FIRE ALARM SYSTEM HEAT/CO COMBO UNIT, CEILING MOUNTED.
- Ⓛ<sub>S</sub> FIRE ALARM SYSTEM SMOKE DETECTOR, CEILING MOUNTED.
- Ⓛ<sub>H</sub> FIRE ALARM SYSTEM HEAT/SMOKE COMBO, CEILING MOUNTED.
- Ⓛ<sub>CO</sub> FIRE ALARM SYSTEM SMOKE/CO COMBO UNIT, CEILING MOUNTED.
- Ⓛ<sub>S</sub> FIRE ALARM SYSTEM DUCT MOUNTED SMOKE DETECTOR ON SUPPLY SIDE WITH RELAY AS REQUIRED FOR MECHANICAL UNIT SHUTDOWN.
- Ⓛ<sub>S</sub> FIRE ALARM SYSTEM DUCT MOUNTED SMOKE DETECTOR ON RETURN SIDE WITH RELAY AS REQUIRED FOR MECHANICAL UNIT SHUTDOWN.
- Ⓛ<sub>S</sub> FIRE ALARM SYSTEM CONNECTION TO TAMPER SWITCH, VERIFY REQUIREMENTS WITH SPRINKLER CONTRACTOR.
- Ⓛ<sub>S</sub> FIRE ALARM SYSTEM CONNECTION TO FLOW SWITCH, VERIFY REQUIREMENTS WITH SPRINKLER CONTRACTOR.
- Ⓛ<sub>S</sub> FIRE ALARM SYSTEM, MAGNETIC DOOR HOLD OPEN DEVICE, WALL MOUNT, REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL SUPPORT REQUIREMENTS.
- Ⓛ<sub>S</sub> WEATHERPROOF ALARM BELL FOR SPRINKLER SYSTEM, COORDINATE EXACT LOCATION AND LOCATION WITH SPRINKLER SUPPLIER.
- Ⓛ<sub>S</sub> FIRE ALARM SYSTEM CONNECTION TO SMOKE DAMPER, PROVIDE RELAY AS REQUIRED, DUCT DETECTOR BY MECHANICAL CONTRACTOR, VERIFY REQUIREMENTS WITH MECHANICAL CONTRACTOR.

## CCTV SYMBOLS:

- ☐ INTERIOR S.D.M.P CAMERA, NOTE: FIELD CONDITIONS MAY REQUIRE OTHER MOUNTING CONFIGURATIONS THAN A CEILING MOUNT, COORDINATE WITH ARCHITECT TO ACHIEVE VIEW AND AESTHETICS DESIRED.
- ☐ EXTERIOR S.D.M.P CAMERA, NOTE: FIELD CONDITIONS MAY REQUIRE OTHER MOUNTING CONFIGURATIONS THAN A CEILING MOUNT, COORDINATE WITH ARCHITECT TO ACHIEVE VIEW AND AESTHETICS DESIRED, FOR EXTERIOR MOUNTED CAMERAS, SUPPLIED CAMERA OPTIONS SHOULD INCLUDE ALL NECESSARY WEATHERPROOF ENCLOSURES/OPTIONS, ETC.
- ☐ INTERIOR S.D.M.P 360° CAMERA, NOTE: FIELD CONDITIONS MAY REQUIRE OTHER MOUNTING CONFIGURATIONS THAN A CEILING MOUNT, COORDINATE WITH ARCHITECT TO ACHIEVE VIEW AND AESTHETICS DESIRED, FOR EXTERIOR MOUNTED CAMERAS, SUPPLIED CAMERA OPTIONS SHOULD INCLUDE ALL NECESSARY WEATHERPROOF ENCLOSURES/OPTIONS, ETC.

## POWER SYSTEMS SYMBOLS:

- ☐ DUPLEX RECEPTACLE, NEMA 5-20R, FLUSH MOUNTED 18" A.F.F. TO THE CENTER OF THE BOX, COORDINATE LOCATION WITH ARCHITECT'S INTERIOR ELEVATION DRAWINGS, † DENOTES WHICH TYPE, IF ANY, SEE LIST BELOW FOR MORE DETAILS.
- ☐ DUPLEX RECEPTACLE, NEMA 5-20R, FLUSH MOUNTED AT 48" A.F.F. TO THE TOP OF THE BOX OR 4" ABOVE BACK SPLASH TO CENTERLINE UNLESS OTHERWISE NOTED ON DRAWINGS, COORDINATE LOCATION WITH ARCHITECT'S INTERIOR ELEVATION DRAWINGS, REFER TO ARCHITECTURAL DETAILS, † DENOTES WHICH TYPE, IF ANY, SEE LIST BELOW FOR MORE DETAILS.
- TYPE DESCRIPTION  
GF GROUND-FAULT CIRCUIT INTERRUPTING TYPE  
WP WEATHERPROOF BOX AND COVER WITH GROUND FAULT INTERRUPTING CAPABILITIES, 2-0" A.F.F.  
M MICROWAVE RECEPTACLE, COORDINATE LOCATION IN CASEWORK WITH ARCHITECTURAL ELEVATIONS.  
VM VENDING MACHINE RECEPTACLE ON A GROUND-FAULT TYPE CIRCUIT BREAKER, TO BE MOUNTED BEHIND VENDING MACHINE.  
REF REFRIGERATOR RECEPTACLE, TO BE MOUNTED BEHIND REFRIGERATOR.  
U USB TYPE DUPLEX RECEPTACLE WITH TWO (2) 3A, 5VDC OUTPUTS.  
T## DUPLEX RECEPTACLE FOR T#S MOUNTED IN RECESSED WALL BOX, NEMA 5-20R, † CORRESPONDS TO TYPE, SEE DETAILS FOR ADDITIONAL REQUIREMENTS.  
TR TAMPER RESISTANT LISTED TYPE.  
CP DUPLEX RECEPTACLE FOR COPIER ON DEDICATED CIRCUIT.
- ☐ DUPLEX RECEPTACLE FOR WATER COOLER, COORDINATE LOCATION AND HEIGHT WITH PLUMBING TRADE, RECEPTACLE SHALL BE CONCEALED BEHIND WATER COOLER, RECEPTACLE SHALL BE ON GROUND-FAULT TYPE CIRCUIT BREAKER.
- ☐ DOUBLE DUPLEX RECEPTACLE, QUAD, TWO NEMA 5-20R, FLUSH MOUNTED 18" A.F.F. TO THE CENTER OF THE BOX IN ONE TWO GANG BOX.
- ☐ SINGLE 30A RECEPTACLE, NEMA L5-30, FLUSH MOUNTED AT 18" A.F.F. TO THE CENTER OF THE BOX.
- ☐ DUPLEX RECEPTACLE, NEMA 5-20R, CEILING MOUNTED.
- ☐ MANUAL MOTOR STARTER, SINGLE POLE, 1 SPEED, WITH PILOT LIGHT MOUNTED 48" A.F.F. TO THE CENTER OF THE BOX UNLESS NOTED OTHERWISE.
- ☐ JUNCTION BOX, MOUNTED ABOVE CEILING OR IN JOIST SPACE, SIZE AS NOTED OR REQUIRED.
- ☐ JUNCTION BOX, WALL MOUNTED, MOUNTING HEIGHT AND SIZE AS NOTED OR REQUIRED.
- ☐ JUNCTION BOX, FLEX CONN., TO EQUIPMENT, MOUNTING HEIGHT & SIZE AS NOTED OR REQUIRED.
- ☐ MOTOR STARTER FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL, COOKLINE, EXACT LOCATION WITH MECHANICAL TRADE.
- ☐ CIRCULATING PUMP AND TIME CLOCK FOR WATER HEAT/PLUMBING CONTRACTOR, ELECTRICAL CONTRACTOR TO MAKE CONNECTIONS.
- ☐ DISCONNECT SWITCH, SIZE AS INDICATED IN GENERAL EQUIPMENT SCHEDULE.
- ☐ MOTOR, SIZE AND CHARACTERISTICS AS NOTED.
- ☐ SERVICE ENTRANCE PANEL BOARD.
- ☐ LIGHTING OR POWER BRANCH CIRCUIT PANEL BOARD.
- ☐ UTILITY COMPANY METER.
- ☐ BOX FLUSH IN GRADE, W/RAZIE CONDUIT, SEE FULL BOX WITH TRAFFIC RATED COVER - COVER SHALL BE PROVIDED WITH LOGO TO READ "ELECTRIC".
- ☐ FULL BOX FLUSH IN GRADE, OVER CONCRETE, CONCRETE FULL BOX WITH TRAFFIC RATED COVER - SHALL BE PROVIDED WITH LOGO TO READ "TELECOMMUNICATIONS".
- ☐ SPRINKLER BELL 120V PROVIDED BY SPRINKLER CONTRACTOR, ELECTRICAL CONTRACTOR TO MAKE ELECTRICAL CONNECTION AND FIRE ALARM CONNECTION PER MANUFACTURER'S REQUIREMENTS.
- ☐ ELECTRICAL CONNECTION TO MOTORIZED DAMPER, 120 VOLT, VERIFY LOCATION WITH MECHANICAL CONTRACTOR.
- ☐ FLOOR BOX, FLUSH MOUNTED WITH SIX (6) WIRING COMPARTMENTS, WITH THREE(3) DUPLEX RECEPTACLES, TWO(2) TELE/DATA OUTLETS AND ONE (1) ADDITIONAL SPARE 1 1/4" CONDUIT ROUTED TO ABOVE ACCESSIBLE CEILING IN SAME ROOM, EQUAL TO WIREMOLD EVOLUTION SERIES, VERIFY COVER TYPE AND COLOR WITH ARCHITECT.
- ☐ ELECTRICAL CONNECTION TO DISHWASHER, 120 VOLT, 1 PHASE, VERIFY LOCATION WITH ARCHITECT, MAKE CONNECTIONS PER MANUFACTURER'S REQUIREMENTS.
- ☐ ELECTRICAL CONNECTION TO GARBAGE DISPOSAL, 120 VOLT, 1 PHASE, VERIFY LOCATION WITH ARCHITECT, MAKE CONNECTIONS PER MANUFACTURER'S REQUIREMENTS.

## AUXILIARY SYSTEM SYMBOLS:

- ☐ TELEPHONE/DATA BACKBOARD, WALL MOUNTED 3/4" PLYWOOD 4x8 UNLESS NOTED OTHERWISE, PLYWOOD TO BE PAINTED WITH 2 COATS OF FIRE RESISTANT PAINT BOTH SIDES & ALL EDGES, BACKBOARD SHALL ALSO BE USED FOR ACCESS CONTROLS.
- ☐ TELEPHONE/DATA, SINGLE GANG OUTLET, FLUSH MOUNTED AT 18" A.F.F. TO THE CENTER OF THE BOX WITH 3/4" CONDUIT STUBBED UP INTO ACCESSIBLE CEILING SPACE IN CORRIDOR AND TERMINATE WITH PLASTIC BUSHING, PROVIDE TWO (2) CAT 6A CABLES TO DATA RACK, IF # IS NOTED, IT REPRESENTS THE NUMBER OF DROPS REQUIRED.
- ☐ TV OUTLET WITH 1 1/4" CONDUIT STUBBED UP INTO ACCESSIBLE CEILING SPACE AND TERMINATED WITH PLASTIC BUSHING, † CORRESPONDS TO TYPE, SEE DETAILS FOR ADDITIONAL REQUIREMENTS.
- ☐ TELEPHONE/DATA, SINGLE GANG OUTLET, FLUSH MOUNTED AT 48" A.F.F. TO THE TOP OF THE BOX OR 4" ABOVE BACK SPLASH TO CENTERLINE WITH 3/4" CONDUIT STUBBED UP INTO ACCESSIBLE CEILING SPACE IN CORRIDOR AND TERMINATE WITH PLASTIC BUSHING, PROVIDE TWO (2) CAT 6A CABLES TO DATA RACK, IF # IS NOTED, IT REPRESENTS THE NUMBER OF DROPS REQUIRED.
- ☐ WIRELESS ACCESS POINT, PROVIDE SINGLE GANG OUTLET MOUNTED ABOVE ACCESSIBLE CEILING, PROVIDE CAT 6A CABLE TO DATA RACK.
- ☐ PROVIDE CONDUIT SLEEVES WITH PLASTIC BUSHINGS AND FIRE RATED ASSEMBLY AS REQUIRED, † SYMBOL INDICATES TYPE, FIRE RATED ASSEMBLY EQUAL TO WIREMOLD FLAMSTOPPER THRU-WALL FITTING.  
TYPE A - ONE(1) 1" c.  
TYPE B - ONE(1) 3" c.  
TYPE C - TWO(2) 3" c.  
TYPE D - THREE(3) 3" c.
- ☐ FLOOR BOX, FLUSH MOUNTED WITH SIX (6) WIRING COMPARTMENTS, WITH THREE(3) DUPLEX RECEPTACLES, TWO(2) TELE/DATA OUTLETS AND ONE (1) ADDITIONAL SPARE 1 1/4" CONDUIT ROUTED TO ABOVE ACCESSIBLE CEILING IN SAME ROOM, EQUAL TO WIREMOLD EVOLUTION SERIES, VERIFY COVER TYPE AND COLOR WITH ARCHITECT.
- ☐ CABLE TRAY AS SIZED ON DRAWINGS, SEE SPECIFICATIONS.

## GROUND SYSTEM SYMBOLS:

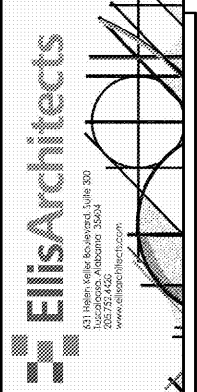
- ☐ MASTER GROUND BAR, 20"x4"x1/4" THICK, PRE-DRILLED, WITH INSULATING STAND-OFF MOUNT, BOND TO THE SERVICE ENTRANCE GROUND WITH #3/8" INSULATED GROUND.
- ☐ DATA ROOM GROUND BAR, 20"x4"x1/4" THICK, PRE-DRILLED, WITH INSULATING STAND-OFF MOUNT, PROVIDE #3/8" INSULATED GROUND FROM BUILDING ELECTRIC SERVICE TO GROUND ELECTRODE SYSTEM DATA ROOM GROUND BAR.

## GENERAL ELECTRICAL NOTES:

1. NEW SERVICE TO THE BUILDING IS 120/208 VOLT, 3 PHASE, 4 WIRE, WYE FROM NEW PADMOUNTED TRANSFORMER.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.
3. CONTRACTOR SHALL PROVIDE ALL MATERIAL NECESSARY TO FINALIZE A NEAT, COMPLETE AND PROPERLY WORKING ELECTRICAL SYSTEM WHICH CONFORMS TO ALL CODES AND TO THE REQUIREMENTS OF ANY OTHER ORGANIZATION OR AGENCY HAVING JURISDICTION OVER THIS PROJECT.
4. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN SWITCHES.
5. VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGHING IN.
6. VERIFY THE EXACT LOCATION OF COUNTERTOPS AND BACKSPLASHES ON ARCHITECTURAL DETAILS AND/OR CASEWORK SHOP DRAWINGS AND ADJUST SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS AS REQUIRED TO AVOID CONFLICTS.
7. CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN. SUPPORT OF ALL LIGHT FIXTURES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. FIXTURES SHALL BE SUPPORTED INDEPENDENT OF CEILING FROM STRUCTURAL MEMBERS OF THE BUILDING.
8. PROVIDE PLASTER FRAMES FOR ALL RECESSED FIXTURES AS REQUIRED.
9. CHECK THE CORRESPONDING MECHANICAL SHEETS AND INSURE PROPER SIZES AND CONNECTIONS TO ALL MECHANICAL SYSTEMS SHOWN THEREON. PROBLEMS WITH BLEED OR NOT BEING SHOWN ON ELECTRICAL DRAWINGS.
10. ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. WHERE CONDUIT IS EXPOSED, IT SHALL BE PROTECTED TO THE WALL OR CEILING AND MAKE 90 DEGREE TURNS ONLY.
12. PROVIDED FUSES IN FUSIBLE DISCONNECTS PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.
13. A GREEN EQUIPMENT GROUNDING CONDUCTOR (SIZED PER N.E.C.) SHALL BE INSTALLED IN EACH AND EVERY FEEDER, INCLUDING, BUT NOT LIMITED TO, BRANCH CIRCUITS, SWITCH LEGS, FEEDERS, ETC.
14. ALL WIRING DEVICES SHALL BE MOUNTED AS INDICATED IN THE SPECIFICATIONS UNLESS NOTED OTHERWISE ON DRAWINGS. ALL LIGHTING FIXTURES SHALL BE MOUNTED AS NOTED IN THE FIXTURE SCHEDULE UNLESS NOTED OTHERWISE.
15. PROVIDE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION FOR ALL BATHROOM AND OUTSIDE RECEPTACLES PER N.E.C., ALL RECEPTACLES IN THE KITCHEN SHALL BE "GF" TYPE AS PER N.E.C. EXCEPT FOR THE REFRIGERATOR.
16. CONTRACTOR SHALL COORDINATE THE PLACEMENT OF DATA OUTLETS WITH OWNER PRIOR TO INSTALLATION.
17. ALL WIRING ROUTED IN RETURN AIR PLENUM UNDER MECH UNIT MUST BE ROUTED IN METAL CONDUIT, OR MC CABLE.
18. ALL DISCONNECT SWITCHES MUST BE INSTALLED AS REQUIRED TO MAINTAIN PROPER WORKING CLEARANCES AS PER N.E.C.
19. WHERE ACTUAL LOADS OF INSTALLED EQUIPMENT VARY FROM THOSE LISTED ABOVE (OR WHERE LOADS ARE ADDED) THE CONTRACTOR SHALL VERIFY AND ADJUST ACCORDINGLY ALL SERVICE ENTRANCE PANELS, CONDUCTORS, EQUIP., ETC. IN COMPLIANCE WITH ARTICLES 210, 215, 220 & 230 OF THE N.E.C.
20. ALL LOW VOLTAGE AUXILIARY EQUIPMENT AND/OR STRUCTURED CABLING SYSTEMS WILL MEET ASSOCIATED N.E.C. ARTICLES INSTALLATION REQUIREMENTS.

## GENERAL COORDINATION NOTES:

1. THE CONTRACT DOCUMENTS ARE GENERALLY DIAGRAMMATIC IN NATURE WITH RESPECT TO MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND SECURITY/VOICE DATA SYSTEMS, NOT EVERY BEND, OFFSET AND DIRECTION CHANGE IS SHOWN IN THE CONTRACT DOCUMENTS, THE CONTRACT DOCUMENTS REPRESENT THAT THESE SYSTEMS WILL FIT IN THE SPACES ALLOTTED; HOWEVER, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSIGN SPACE PRIORITIES AND LAY OUT AND ROUTE THE SYSTEMS SO THEY WILL FIT EFFICIENTLY IN THE ALLOTTED SPACES AND ALLOW FOR CONVENIENT AND CODE-CONFORMING ACCESS TO ALL VALVES, DAMPERS AND OTHER DEVICES.
2. THE LAYOUT OF UTILITY ROOMS IS ALSO DIAGRAMMATIC IN NATURE, THE CONTRACT DOCUMENTS REPRESENT THAT EQUIPMENT IDENTIFIED TO BE INSTALLED IN UTILITY ROOMS WILL FIT IN THE SPACES ALLOTTED; HOWEVER, BECAUSE THE CONTRACTOR MUST SUBMIT AND PROVIDE FOR EQUIPMENT TO BE INSTALLED IN UTILITY ROOMS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO LAY-OUT THE EQUIPMENT ROOM SUCH THAT ALL EQUIPMENT WILL FIT.
3. THE CONTRACTOR MUST EXAMINE ALL OF THE CONTRACT DRAWINGS, ESPECIALLY ARCHITECTURAL FOR CEILING SPACE DIMENSIONS, AND STRUCTURAL FOR BEAM/COLUMN OBSTRUCTIONS, AND MAKE ALLOWANCES IN THE CONTRACTOR'S PLANNED COORDINATION EFFORTS, WORK SEQUENCE, AND ROUTING OF THE SYSTEMS.
4. ROUTINGS SHOWN FOR PIPES, DUCTS, AND CONDUITS ON DRAWINGS ARE SHOWN BY GRAPHIC SYMBOLS ONLY; MAKE RUNS PARALLEL WITH LINES OF BUILDING.
5. UTILIZE SPACES EFFICIENTLY TO MAXIMIZE ACCESSIBILITY FOR OTHER INSTALLATIONS, FOR MAINTENANCE, AND FOR REPAIRS.
6. CONCEAL PIPES, DUCTS, AND WIRING IN FINISHED AREAS, UNLESS OTHERWISE INDICATED; COORDINATE LOCATIONS OF FIXTURES AND OUTLETS WITH FINISH ELEMENTS, SEE DUCTWORK, MECHANICAL PIPE, PLUMBING, ELECTRICAL, AND SPRINKLER SYSTEM COMPONENTS AS SHOWN IN THE CONTRACT DOCUMENTS AND DRAWINGS. DOWNSIZING OF MECHANICAL/ELECTRICAL (M/E) SYSTEMS IS NOT PERMITTED.
7. RELOCATE LIGHTS IN MECHANICAL ROOMS AROUND DUCTWORK AS REQUIRED TO BEST LIGHT THE SPACE AND HVAC EQUIPMENT.



New Construction for:  
**BIBB COUNTY COURTHOUSE ANNEX**  
8 Court Square West  
Centreville, Alabama



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Do Not Scale From Drawings.  
Contractor must verify all dimensions prior to construction.

JOB No.	18004
DOCUMENT	DATE
FINAL CDS	09/06/2019
DRAWN BY:	JAM/JR
ELECTRICAL LEGEND & NOTES	
<b>E0.1</b>	



Order Plans

