ELECTRICAL SYMBOLS

- EXISTING EXIT SIGN TO BE REMOVED
- EXISTING WALL MOUNTED FIXTURE TO BE REMOVED
- EXISTING FIXTURE TO BE REMOVED
- FLUSH MTD TOGGLE SWITCH, TO BE REMOVED
- (UL)C CEILING MOUNTED OCCUPANCY SENSOR TO BE REMOVED
- (UL)W WALL MOUNTED OCCUPANCY SENSOR TO BE REMOVED.
- EXISTING DATA OUTLET BOX, AND CONDUIT TO BE REMOVED ONCE THE EXISTING DATA CABLE HAS BEEN REMOVED BY NCSU.
- FB EXISTING PANIC BUTTON OUTLET BOX, AND CONDUIT TO BE REMOVED ONCE THE EXISTING DATA CABLE HAS BEEN REMOVED BY NCSU.
- DUPLEX RECEPTACLE AND OUTLET TO BE REMOVED
- QUAD RECEPTACLE AND OUTLET TO BE REMOVED
- EXISTING CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED
- EXISTING WALL MOUNTED FIRE ALARM TO BE REMOVED
- S EXISTING SPEAKER, CONDUIT AND WIRE TO BE REMOVED.
- WALL OR CEILING MTD EXIT SIGN WITH SELF CONTAINED BATTERY BACK-UP, SINGLE FACE. ARROW WHEN USED INDICATES DIRECTION.
- WALL OR CEILING MTD EXIT SIGN WITH SELF CONTAINED BATTERY BACK-UP, DOUBLE FACE. ARROW WHEN USED INDICATES DIRECTION.
- CEILING/PENDENT MTD/RECESSED LIGHTING FIXTURE AND OUTLET, LETTER INDICATES FIXTURE TYPE, NUMBER INDICATES CIRCUIT
- LAY-IN TYPE LED LIGHT FIXTURE. LETTER INDICATES FIXTURE TYPE
- LAY-IN TYPE EMERGENCY FIXTURE WITH SELF CONTAINED BATTERY BACK-UP. LETTER INDICATES FIXTURE TYPE
- J OUTLET BOX WITH BLANK COVER – LOCATE AS REQUIRED TO FOR EQUIPMENT SERVED.
- DUPLEX RECEPTACLE AND OUTLET, 20A, 125V, 3W
- QUADRUPLEX RECEPTACLE AND OUTLET, 20A, 125V, 3W
- DUPLEX RECEPTACLE AND OUTLET 20A, 125V, 3W, INSTALLED HORIZONTALLY 4" ABOVE BACKSPLASH OR COUNTER IF NO BACKSPLASH EXISTS
- QUADRUPLEX RECEPTACLE AND OUTLET 20A, 125V, 3W, INSTALLED 4" ABOVE BACKSPLASH OR COUNTER IF NO BACKSPLASH EXISTS.
- TV FLUSH MOUNTED DUPLEX RECEPTACLE AND TELEVISION OUTLET.
- 8" DIA POKE THRU WITH SLIDE ERGESS DOOR COVERS FOR DATA POWER AND DATA. PROVIDE 1–20A 125V DUPLEX RECEPTACLE AND A 3–GANG TO 2 GANG COMMUNICATION PLATE KIT.

NOTE TO ALL RECEPTACLES:
1. SUBSCRIPT SP INDICATES SURGE SUPPRESSION PROTECTED DUPLEX RECEPTACLE.
2. SUBSCRIPT WP INDICATES GROUND FAULT TYPE RECEPTACLE WITH STAINLESS STEEL WEATHERPROOF COVER.
3. SUBSCRIPT ISG INDICATES ISOLATED GROUND TYPE RECEPTACLE.
4. SUBSCRIPT GFI INDICATES GROUND FAULT TYPE RECEPTACLE.
5. SUBSCRIPT TV INDICATES RECEPTACLE FOR TV MOUNTED IN BRACKET.
6. SUBSCRIPT S INDICATES SURFACE MOUNTED DEVICE
7. SUBSCRIPT EM INDICATES EMERGENCY DEVICE

- S FLUSH MTD TOGGLE SWITCH, S.P.S.T., 20A, 120/277V
- S_3 FLUSH MTD 3–WAY TOGGLE SWITCH, 20A, 120/277V
- S_D FLUSH MTD DIMMER SWITCH, SIZE AS NOTED
- S_M MANUAL MOTOR STARTER SWITCH WITHOUT OVERLOAD HEATERS
- S_{OCD} SWITCH TYPE DUAL TECHNOLOGY OCCUPANCY SENSOR WITH DIMMING AND BUILT–IN OVERRIDE SWITCH
- OS CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
- S_R OVER RIDE SWITCH FOR CEILING MOUNTED OCCUPANCY SENSOR
- TELE/COMM OUTLET PER NCSU STANDARDS AND NOTES. OUTLET 4 11/16" SQ. BOX DOUBLE GANG PLASTER RING, PULL STRINGS, AND 1"C. TO TELECOM WIREWAY. CABLING BY CONTECH
- WAP WIRELESS ACCESS POINT OUTLET PER NCSU STANDARDS AND NOTES. MOUNTED 2' BELOW CEILING. OUTLET 4 11/16" SQ. BOX, TWO (2) GANG PLASTER RING AND 1"C. TO TELECOM WIREWAY. CABLING BY CONTECH.

- PANEL BOARD, FLUSH MOUNTED DASHED LINES INDICATES REQUIRED WORKING CLEARANCE
- PANEL BOARD, SURFACE MOUNTED DASHED LINES INDICATES REQUIRED WORKING CLEARANCE
- CONCEALED RACEWAY. INDICATES 2#12 AND 1#12 GROUND IN 3/4" CONDUIT.

4#8, 1#10G, 1"C

- CONCEALED RACEWAY. ALL RACEWAYS WITH OTHER THAN #12 CONDUCTORS WILL HAVE WIRE AND CONDUIT SIZES

NOTE:
ALL RACEWAYS SHALL CONTAIN A SEPARATE GREEN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH NEC 250.122.

- SURFACE METAL RACEWAY WITH RECEPTACLES EVERY 12 INCHES AND DATA OUTLET EVERY 36 INCHES.
- PENDENT MTD, PLUG–IN BUS DUCT WITH PLUG–IN CIRCUIT BREAKER OR FUSIBLE SWITCH AND TAP BOX. DUCT AND SWITCH SHALL BE RATED AS NOTED.
- J NF 30 — 30 AMP NON–FUSED DISCONNECT SWITCH. NUMBER OF POLES AND VOLTAGE PER CIRCUIT FED.
- J 20 30 — 30 AMP FUSED DISCONNECT SWITCH, FUSED AT 20 AMP. NUMBER OF POLES AND VOLTAGE PER CIRCUIT FED.
- J NF 30 WP — 30 AMP NON–FUSED, WEATHERPROOF DISCONNECT SWITCH. NUMBER OF POLES AND VOLTAGE PER CIRCUIT FED.
- COMBINATION DISCONNECT SWITCH AND MAGNETIC MOTOR STARTER
- MAGNETIC MOTOR STARTER
- MANUAL MOTOR STARTER WITH OVERLOAD HEATERS
- 1 A.C. MOTOR, NUMERAL INDICATES HP "F" INDICATES FRACTIONAL HP
- T TAMPER SWITCH
- F FLOW SWITCH
- RA REMOTE INDICATOR LAMP
- M MAGNETIC DOOR HOLDER
- F WALL MTD FIRE ALARM PULL STATION
- FACP WALL MTD FIRE ALARM CONTROL PANEL
- ANN WALL MTD FIRE ALARM REMOTE ANNUNCIATOR
- TERM WALL MTD FIRE ALARM TERMINAL CABINET
- NAC WALL MTD FIRE ALARM NAC PANEL
- S SMOKE DETECTOR, CEILING OR WALL MTD
- H HEAT DETECTOR, CEILING OR WALL MTD
- MM MONITOR MODULE
- CM CONTROL MODULE
- IM ISOLATION MODULE
- V 15cd WALL MOUNTED FIRE ALARM VISUAL DEVICE.
- H 15cd CEILING MOUNTED FIRE ALARM AUDIO/VISUAL DEVICE
- S SMOKE DETECTOR, DUCT MOUNTED
- H 15cd WALL MOUNTED FIRE ALARM AUDIO/VISUAL DEVICE
- CR CARD READER. PROVIDE 2–GANG JUNCTION BOX WITH 1.5" CONDUIT TO DATA CLOSET WITH PULL STRING

ELECTRICAL SYMBOL NOTES

1. SYMBOLS AND ABBREVIATIONS MAY NOT ALL BE UTILIZED FOR THIS PROJECT.
2. SYMBOLS NOT LISTED IN THIS ELECTRICAL SYMBOL LEGEND ARE IDENTIFIED ON THE DRAWINGS WHERE THEY OCCUR.
3. MOUNTING HEIGHT GIVEN IN THE ELECTRICAL SPECIFICATIONS IS TO THE CENTERLINE OF THE DEVICE AND SHALL BE FOLLOWED UNLESS OTHERWISE INDICATED AT THE SYMBOL, ON ARCHITECTURAL ELEVATIONS OR CASEWORK DRAWINGS.

ABBREVIATIONS

A	AMPERE, AMMETER
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
BFG	BELOW FINISHED GRADE
C	CONDUIT
CATV	CABLE (COMMUNITY) ANTENNA TELEVISION
CU	COPPER
DISC	DISCONNECT
EC	ELECTRICAL CONTRACTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR
EWC	ELECTRIC WATER COOLER
E	EXISTING
FA, F/A	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
GEC	GROUNDING ELECTRODE CONDUCTOR
G,GND	GROUND
GC	GENERAL CONTRACTOR
GF,GFI	GROUND FAULT INTERRUPTER
HH	HANDHOLE
HP	HORSEPOWER
IG, ISG	ISOLATED GROUND
JB	JUNCTION BOX
KVA	KILOVOLT–AMPERES
KW	KILOWATTS
LC	LIGHTING CONTACTOR
LTG	LIGHTING
LV	LOW VOLTAGE
MB	MAIN BREAKER
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MLO	MAIN LUGS ONLY
NF	NON FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
P	POLE, PHASE
PB	PULL BOX
PC	PLUMBING CONTRACTOR
P/BD, PNL	PANELBOARD
PR	PAIR
SN	SOLID NEUTRAL
SW	SWITCH
SWBD	SWITCHBOARD
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VOLT
WP	WEATHERPROOF
XFMR	TRANSFORMER

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE: ENERGY CODE ☐ PERFORMANCE ☒ PRESCRIPTIVE
ASHRAE 90.1 ☐ PERFORMANCE ☐ PRESCRIPTIVE

LIGHTING SCHEDULE

LAMP TYPE REQUIRED IN FIXTURE	NOT APPLICABLE
NUMBER OF LAMPS IN FIXTURE	NOT APPLICABLE
BALLAST TYPE USED IN THE FIXTURE	NOT APPLICABLE
NUMBER OF BALLASTS IN FIXTURE	NOT APPLICABLE
TOTAL WATTAGE PER FIXTURE	NOT APPLICABLE
TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED	3076W vs 4418W
TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED	NOT APPLICABLE

ADDITIONAL EFFICIENCY PACKAGE OPTIONS
(WHEN USING THE 2018 NCECC; NOT REQUIRED FOR ASHRAE 90.1)

- ☐ C406.2 MORE EFFICIENT HVAC EQUIPMENT PERFORMANCE
- ☒ C406.3 REDUCED LIGHTING POWER DENSITY
- ☐ C406.4 ENHANCED DIGITAL LIGHTING CONTROLS
- ☐ C406.5 ON–SITE RENEWABLE ENERGY
- ☐ C406.6 DEDICATED OUTDOOR AIR SYSTEM
- ☐ C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATING

DESIGNER STATEMENT:
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENT OF THE NORTH CAROLINA STATE BUILDING CODE

SIGNED: Reggie Adams
NAME: REGGIE ADAMS P.E.
TITLE: ELECTRICAL ENGINEER

GENERAL NOTES

1. ALL WORK ON THIS PROJECT SHALL CONFORM TO THE 2017 NEC, ALL LOCAL AND STATE CODES, STATE BUILDING CODE AND REQUIREMENTS BY THE AUTHORITY HAVING JURISDICTION.
2. SYMBOLS AND ABBREVIATIONS MAY NOT ALL BE UTILIZED FOR THIS PROJECT.
3. UNLESS OTHERWISE INDICATED THE CONTRACTOR, IS RESPONSIBLE FOR ALL CUTTING, CORE– DRILLING AND PATCHING REQUIRED TO INSTALL ELECTRICAL RELATED WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ELECTRICAL RELATED WORK WITH OTHER TRADES. THE CONTRACTOR IS CAUTIONED THAT IT IS TOTALLY HIS RESPONSIBILITY TO COORDINATE HANGERS AND SUPPORTS WITH OTHER TRADES. ADDITIONAL REQUIRED HANGERS & SUPPORTS MUST BE IN PLACE PRIOR TO APPLICATION OF FIRE PROOFING MATERIAL. ANY DAMAGE INCURRED ON FIRE PROOFING MATERIAL DUE TO INSTALLATION OF ELECTRICAL HANGERS WILL BE REPAIRED BY FIRE PROOFING SUB–CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. UTILITIES SERVING AREAS OF THIS PROJECT STILL OCCUPIED BY THE OWNER DURING DEMOLITION AND NEW CONSTRUCTION SHALL BE MAINTAINED UNTIL THE OWNER VACATES THE AREA. UNLESS OTHERWISE NOTED.
6. ALL SHUTDOWNS WILL BE COORDINATED AND APPROVED THROUGH THE OWNER'S PROJECT MANAGER AND THE BUILDING MANAGER AND WILL REQUIRE ADVANCE NOTICE OF MINIMUM OF 72 HOURS. IN SOME CASES AN ALTERNATE POWER SOURCE MAY BE REQUIRED, THE CONTRACTOR MUST BE PREPARED TO MAKE TAPS, INSTALL CIRCUIT BREAKERS, ETC., WHILE EXISTING EQUIPMENT IS ENERGIZED. ALL SHUTDOWNS WILL BE INITIATED AND CONTROLLED BY OWNER.
7. VISIT THE SITE PRIOR TO BID DATE AND EXAMINE ALL AREAS TO BE DEMOLISHED AND RENOVATED. THOROUGHLY FAMILIARIZE YOURSELF WITH EXISTING CONDITIONS. NO EXTRA COMPENSATION WILL BE GIVEN FOR FAILURE TO THOROUGHLY EXAMINE EXISTING CONDITIONS TO DETERMINE THE EXACT SCOPE OF DEMOLITION AND "KEYED" NOTES ON THE DEMOLITION DRAWINGS ARE PROVIDED TO ASSIST BIDDERS TO DETERMINE THE SCOPE OF DEMOLITION WORK.
8. EXISTING AREAS WHETHER WITHIN OR WITHOUT THE "GENERAL LIMITS OF CONSTRUCTION", SHALL BE REPAIRED WHERE ANY DAMAGE HAS OCCURRED DURING CONSTRUCTION BY THE CONTRACTOR.
9. ALL AREAS OUTSIDE THE PROJECT LIMITS IN WHICH WORK MUST TAKE PLACE WILL BE CLEANED AND RETURNED TO NORMAL (INCLUSIVE OF CEILING TILE REPLACEMENT) AT THE END OF EACH DAY. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE EACH DAY BEFORE LEAVING THE CONTRACT PROJECT LIMITS REGARDING THE CLEANLINESS OF THE AREA IN WHICH WORK TOOK PLACE OUT SIDE OF THE PROJECT LIMITS.
10. WHERE WORK IS TAKING PLACE OUTSIDE THE PROJECT LIMITS CANNOT ALLOW A RETURN TO NORMAL APPEARANCE OF WALLS, CEILING, ETC., AT THE END OF EACH DAY DUE TO ITS EXTENSIVE NATURE; THE CONTRACTOR SHALL ERECT A BLACK PLASTIC CURTAIN AROUND HIS WORK AREA. A CURTAIN SHALL REMAIN IN PLACE UNTIL THE WORK IS COMPLETE. SUCH CURTAINS WILL HAVE CAUTIONARY SIGNS AFFIXED INDICATING CONSTRUCTION ACTIVITY WITHIN.
11. PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PADS WITH CHAMFERED EDGES UNDER ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.
12. DO NOT MOUNT ANY WALL RECEPTACLES OR TELEPHONE/COMPUTER OUTLETS BACK TO BACK.
13. USE 3/4" DEEP MUD RINGS ON BOXES IN 5/8" DRYWALL SO FACE OF RING IS FLUSH WITH FACE OF DRYWALL. PROVIDE CADDY #RLC ADAPTER ON ALL OUTLETS WHERE DRYWALL IS CUT IN EXCESS OF 1/8" LARGER THAN MUD RING OR WHERE THE DEVICE "EARS" ARE NOT SUPPORTED BY THE DRYWALL.
14. 20A BRANCH CIRCUIT WIRE (HOT, NEUTRAL AND GROUND) SIZING SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE:

VOLTS	DISTANCE	(FIRST [illegible])	RE–ENDER OF CIRCUIT
120/208	0' – 50'	#12	#12
	50' – 100'	#10	#12
	100' – 150'	8	#10

15. THE ELECTRICAL CONTRACTOR SHALL VERIFY LOCATION OF LIGHTS, ETC. IN MECHANICAL ROOMS WITH MECHANICAL CONTRACTOR BEFORE ROUGH–IN TO AVOID CONFLICT WITH DUCT WORK.
16. ALL CONDUCTORS SHALL BE COPPER WITH A MINIMUM SIZE OF #12 AWG EXCEPT FOR FIRE ALARM.
17. ALL BRANCH CIRCUIT BREAKERS SHALL BE 20A, 1P, WITH 2 #12 AWG 1#12 GND IN 3/4" MINIMUM CONDUIT, UNLESS OTHERWISE NOTED.
18. ALL LUG LUGS THROUGHOUT THE PROJECT, INCLUDING BUT NOT LIMITED TO BREAKERS, PANELBOARD/SWITCHBOARD LUGS, SAFETY SWITCH LUGS, AND TRANSFORMER LUGS, SHALL BE RATED FOR USE WITH 75 DEGREE CONDUCTORS SIZED IN ACCORDANCE WITH NEC TABLE 310–15 (B) (16).
19. ALL RACEWAYS SHALL BE METAL UNLESS SPECIFICALLY NOTED OR APPROVED OTHERWISE. ANY RACEWAY IN POURED CONCRETE SHALL BE RIGID METAL (HEAVY WALL). REFER TO SPECIFICATIONS FOR ALL OTHERS.
20. CONTRACTOR SHALL MINIMIZE NUMBER OF HOME RUN CONDUITS. CONTRACTOR MAY COMBINE UP TO THREE CIRCUITS PER HOME RUN IN A SINGLE CONDUIT.
21. IN GENERAL ALL ELECTRICAL CONDUIT WILL BE RUN AT THE ELEVATION JUST BELOW THE BOTTOM OF THE STRUCTURAL BEAMS. THE CONTRACTOR SHALL OFFSET THE ELECTRICAL CONDUIT TO AVOID INTERFERENCE WITH ANY DUCTWORK, SPRINKLER OR MECHANICAL PIPING. THE CONTRACTOR SHALL COORDINATE HIS CONDUIT AND RACEWAY LOCATIONS WITH ALL OTHER TRADES BEFORE INSTALLATION.
22. THE ROUTING FOR THE RACEWAY SHOWN ON THE DWGS. IS DIAGRAMMATIC ONLY, BASED ON CURSORY FIELD SURVEY BY DESIGNER. CONTRACTOR IS CAUTIONED THAT SPACE ABOVE CLG. IS VERY CONGESTED WITH EXISTING MECHANICAL, ELECTRICAL & PLUMBING ITEMS, AND WORK SPACE IS LIMITED. CONTRACTOR IS REQUIRED TO VISIT THE SITE PRIOR TO BID DATE AND LOOK ABOVE THE CLG. OF THE PROPOSED ROUTING TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS. PROVIDE ANY AND ALL ADDITIONAL JB'S, OFFSETS, CONDUITS AND FITTINGS AS REQUIRED TO AVOID ANY EXIST. OBSTRUCTIONS ALONG THE PROPOSED ROUTING. ANY SHUTDOWNS CAUSED BY RELOCATING EXISTING EQUIPMENT SHALL BE COORDINATED WITH OWNER. FAILURE TO EXAMINE EXISTING CONDITIONS AND COORDINATE THE EXACT CONDUIT ROUTING WILL NOT EXCUSE CONTRACTOR FROM PERFORMING ALL DUTIES NECESSARY TO COMPLETE THE WORK. DO NOT ROUTE CONDUIT IN A MANNER THAT WILL BLOCK ACCESS TO EXISTING ITEMS AS JUNCTION BOXES, VALVES, FILTERS OR SERVICE ACCESS TO EQUIPMENT.
23. ELECTRICAL PLANS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL ALIGN FIXTURES, FIRE ALARM DETECTORS, CEILING DIFFUSERS, ETC. AS REQUIRED TO PROVIDE A PATTERN OF UNIFORMITY. AT NO TIME SHALL A SMOKE DETECTOR BE LOCATED WITHIN 3'–0" OF A SUPPLY OR RETURN GRILLE.
24. WIRE AND CIRCUIT BREAKERS ARE SIZED FOR SPECIFIC EQUIPMENT. BEFORE ORDERING WIRE, BREAKERS AND CONDUIT FOR THIS PROJECT, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS ON THE JOB AND SHALL VERIFY THE ELECTRICAL DATA FOR EQUIPMENT WHICH WILL ACTUALLY BE INSTALLED BY THE OTHER CONTRACTORS AND RECOMPUTE WIRE AND BREAKER SIZES IF REQUIRED TO COMPLY WITH THE N.E.C.
25. REFER TO MECHANICAL DRAWINGS AND COORDINATE VERTICAL RUNS OF WIRE AND CONDUIT WITH MECHANICAL PIPING. COORDINATE WITH MECHANICAL CONTRACTORS. (NOTE: STACK RUNS OF CONDUIT AND PROVIDE OFFSETS AS NECESSARY.)
26. LABEL ALL CONDUITS TERMINATING IN THE CEILING CAVITIES.
27. ALL CONDUIT (WITH OR WITHOUT WIRES) SHALL BE COLOR CODED WITH 1/2" WIDE TAPE, 10'–0" ON CENTER, IN ACCORDANCE WITH THE FOLLOWING:

120/208 VOLT	BLACK
COMMUNICATION/SOUND	GREEN
FIRE ALARM	RED
TELEPHONE	LIGHT BLUE

28. LIGHTING & POWER PANELS ARE DESIGNED AROUND SQUARE "D" "NQOD" WITH A MAXIMUM DEPTH OF 5 3/4" AND WIDTH OF 20".
29. THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS, JUNCTION BOXES AND DISCONNECT SWITCHES SHALL BE REVIEWED AND COORDINATED WITH CASEWORK DRAWINGS AND ACTUAL EQUIPMENT LOCATION, PRIOR TO INSTALLATION. ANY DIFFERENCES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
30. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL CEILING TYPES AND FINISHES BEFORE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR THE CEILING TO BE INSTALLED. ANY DIFFERENCES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
31. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
32. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.
33. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE. PROVIDE COORDINATION DRAWINGS TO THE ENGINEER FOR APPROVAL. ANY REWORK THAT NEEDS TO BE DONE DUE TO CONFLICTS BETWEEN TRADES SHALL BE DONE AT THIS CONTRACTORS EXPENSE.
34. ALL LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE SUSPENDED CEILING SYSTEM. REFER TO THE SPECIFICATIONS FOR MORE DETAILED INFORMATION.
35. WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS OR THE ROOF, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED WORK.
36. IN ALL AREAS WHERE THE FIRE RATED WALLS, FLOORS AND CEILINGS ARE INSTALLED OR ARE EXISTING, ALL PENETRATIONS OF ELECTRICAL CONDUITS OR OTHER RELATED ELECTRICAL MATERIALS SHALL BE PROPERLY SEALED WITH APPROVED FIRE RATED MATERIALS TO MAINTAIN THE RATINGS OF THE BUILDING CONSTRUCTION.
37. ALL FUSES, DISCONNECT SWITCHES AND BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.
38. UPON COMPLETION OF WORK ALL KEYS TO ELECTRICAL POWER PANELS SHALL BE TURNED OVER TO THE OWNER AND A SIGNED RECEIPT SHALL BE OBTAINED.
39. ALL MULTIWIRE BRANCH CIRCUITS NEED TO HAVE SEPARATE NEUTRAL CONDUCTORS TO COMPLY WITH NEC 2017 ARTICLE 200.4 AND 210.4. NO SHARED NEUTRAL CONDUCTORS PERMITTED ON THIS PROJECT.
40. ANY RECEPTACLE WITH–IN 6'–0" OF A SINK SHALL BE A GROUND FAULT TYPE (GFI) RECEPTACLE.
41. ALL WORK ON THIS PROJECT SHALL BE INSTALLED IN COMPLIANCE WITH ANSI A117.1, ADA STANDARDS FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.
42. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS WITH THE STATE ELECTRICAL INSPECTOR AT THE STATE CONSTRUCTION OFFICE.

Davis Kane ARCHITECTS, P.A.
ARCHITECTURE . PLANNING . INTERIORS
503-300 OBERLIN ROAD, RALEIGH, NC 27605
919.833.3737 WWW.DAVISKANE.COM

CONSULTANT

Sigma Engineered Solutions, PC
2100 Gateway Center Drive
Suite 160
Morrisville, NC 27560
Ph: 919.840.9060
Fx: 919.840.9650
www.sigmapllc.com
North Carolina License #: C-2490
Sigma Project #: 19027

PROJECT INFORMATION

UNCG ATHLETICS COLEMAN BUILDING WEIGHT ROOM

SCO ID No. 19-20597-01A | Code: 41825 | Item: 304
1408 Walker Ave. Greensboro, NC 27402

SEALS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036668 REGINALD D. ADAMS
10-18-19

DKA JOB NUMBER

REVISIONS

PE: RDA
PM: PJR
Drawn By: SDR
Plot Date: 10/18/2019 10:00:00 PM

DATE ISSUED

BID DOCUMENTS
10/22/2019

SHEET TITLE
ELECTRICAL LEGEND AND SYMBOLS

E-0.1