

ELECTRICAL NOTES:

- GENERAL: ALL WORK SHALL CONFORM TO THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL JURISDICTIONAL CODES.
- THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND ANY APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, THE CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM, AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL THE OWNER HAS DIRECTED THE CORRECTIVE ACTION TO BE TAKEN.
- THE CONTRACTOR SHALL COORDINATE THE PROPOSED LOCATIONS OF ALL ELECTRICAL MATERIALS AND EQUIPMENT WITH THE REPRESENTATIVES OF THE OTHER TRADES INVOLVED BEFORE STARTING INSTALLATION OF THOSE ITEMS.
- COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES, CONDUIT, AND SLEEVES TO BE SET IN CAST—IN—PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS, AS THEY ARE CONSTRUCTED.
- UNLESS OTHERWISE SPECIFIED ON THE PLANS, ALL SPECS ARE NOT INTENDED TO BE PROPRIETARY, SUBSTITUTIONS WILL BE ACCEPTABLE FOR EQUAL RATED AND LISTED UNITS.
- 2. SCOPE: EXCEPT WHERE OTHERWISE SPECIFICALLY INDICATED ON THE DRAWINGS BY "FUTURE", "BY OTHERS", OR BY A SIMILAR NOTATION, IT IS THE INTENT THAT THE CONTRACTOR FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS NECESSARY TO PROVIDE ALL SYSTEMS IN COMPLETE AND OPERATING CONDITION.
- 3. EXCAVATE AS NECESSARY FOR THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT. VERIFY THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES OR STRUCTURES BEFORE EXCAVATING AND EXERCISE CARE TO AVOID DAMAGE TO SUCH ITEMS DURING EXCAVATION. BACKFILL WITH EARTH FREE OF LARGE CLODS, LARGE STONES AND FOREIGN DEBRIS, DEPOSITED IN 6" LAYERS AND COMPACTED TO A DENSITY OF NOT LESS THAN THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
- 4. MATERIALS: THE MATERIALS AND EQUIPMENT FURNISHED SHALL BE AS INDICATED ON THE DRAWINGS; SUBSTITUTIONS SHALL NOT BE MADE EXCEPT WHERE EXPRESSLY APPROVED BY THE OWNER OR HIS REPRESENTATIVE PRIOR TO STARTING INSTALLATION OF THE ITEMS. THE ELECTRICAL MATERIALS AND EQUIPMENT FURNISHED SHALL BE LISTED OR LABELED BY UNDERWRITTERS LABORATORIES OR OTHER RECOGNIZED TESTING ORGANIZATION, AND SHALL BE ACCEPTABLE TO THE LOCAL BUILDING AUTHORITY.
- 5. GROUNDING: GROUNDING SHALL BE IN ACCORDANCE WITH ARTICLE 250, NEC.

- 6. CONDUITS: PROVIDE CONDUITS WHERE CALLED FOR ON PANEL SCHEDULES: ELECTRICAL METALLIC TUBING (EMT) SHALL BE INSTALLED ONLY IN DRY LOCATIONS, IN CONCRETE ABOVE GRADE, AND WHERE NOT SUBJECT TO PHYSICAL DAMAGE.
- CONDUITS INSTALLED UNDERGROUND SHALL BE POLYVINYLCHLORIDE (PVC) AND SHALL NOT BE SMALLER THAN 3/4" TRADE SIZE. WHERE PVC CONDUIT IS INSTALLED UNDERGROUND, ELBOWS TURNING UP AND CONDUIT EMERGING ABOVE GRADE SHALL BE RSC. THE TOPS OF CONDUITS SHALL NOT BE LESS THAN 24" BELOW FINISHED GRADE. PVC CONDUIT INSTALLED ABOVE GRADE OR DIRECT—BURIED IN EARTH SHALL BE NEMA TC2 TYPE EPC—40—PVC (SCHEDULE 40) EXCEPT THAT WHERE UNDER AREAS SUBJECT TO HEAVY VEHICULAR TRAFFIC, IT SHALL BE NEMA TC2 TYPE EPC—80—PVC (SCHEDULE 80).
- NSTALLATION OF THOSE ITEMS.

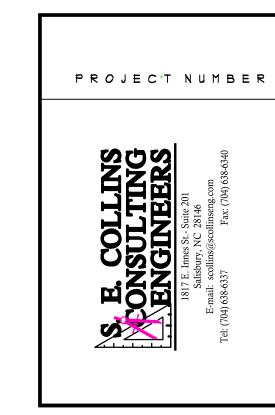
 ALL ARMOR CLAD CABLE (AC CABLE) WIRING SHALL MEET OR EXCEED ALL NEC, OSHA AND HUD STANDARDS.
 - CONDUCTORS: CONDUCTORS SHALL BE AS SCHEDULED ON PANEL SCHEDULES. ALL POWER CONDUCTORS SHALL NOT BE SMALLER THAN #14 AWG (CU), OR #12 AWG (AL), CONTROL CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN #18 AWG CU. CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET WITHOUT SPLICES EXCEPT WITHIN WIREWAY OR JUNCTION BOXES. MARK CONDUCTORS IN PANELS, PULL BOXES OR WIREWAYS AND TERMINAL STRIP TERMINALS FOR IDENTIFICATION OF CIRCUITS. CONDUCTORS SHALL BE JOINED USING COMPRESSION SPLICES, EXCEPT THAT CONDUCTORS #10 AND SMALLER MAY BE JOINED USING WIRE NUT TYPE CONNECTORS. CONDUCTORS SHALL BE TERMINATED USING COMPRESSION OR PRESSURE TYPE TERMINAL LUGS, OR IN PRESSURE TERMINALS. COMPRESSION SPLICES USED ON CONDUCTORS #10 AWG. AND SMALLER, SHALL BE THE SELF-INSULATED TYPE; ÖTHER SPLICES SHALL BE INSULATED USING 3M #33+ OR #88 PLASTIC TAPE. SPLICES IN WET LOCATIONS SHALL BE INSULATED WITH ELECTRICAL TAPE AND ENCAPSULATED WITH SCOTCHCAST OR EQUAL POTTING COMPOUND.
 - 8. PROVIDE AND INSTALL JUNCTION AND PULL BOXES WHERE INDICATED AND WHERE NECESSARY TO TERMINATE, TAP OFF, OR REDIRECT MULTIPLE CONDUIT RUNS, OF SIZE INDICATED OR AS REQUIRED BY NEC. WHERE FEEDER SPLICES ARE TO BE MADE, INSTALL BOXES LARGE ENOUGH TO PROVIDE AMPLE WORK SPACE.
 - 9. LIGHTING FIXTURES: LIGHTING FIXTURES SHALL BE AS INDICATED ON THE DRAWINGS, AND SHALL BE INSTALLED COMPLETE WITH LAMPS.

 FIXTURES WITH ADJUSTMENTS AFFECTING LIGHT DISTRIBUTION SHALL BE SET TO PROVIDE THE REQUIRED LIGHT PATTERNS PRIOR TO THE FINAL DEMONSTRATION TEST.
 - 10. TESTS: AFTER EACH SYSTEM HAS BEEN COMPLETED, A FUNCTIONAL TEST SHALL BE PERFORMED TO DEMONSTRATE THAT THE SYSTEM OPERATES IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS. THE TEST SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF THE OWNER OR HIS REPRESENTATIVE.
 - 1. TERMINALS: ALL ELECTRICAL EQUIPMENT FURNISHED ON THIS PROJECT IS TO HAVE TERMINALS RATED FOR 75° C. OPERATION.

FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUF.	CAT. NUMBER	REMARKS			
Α	LED HI BAY	MORRIS OR EQ.	74104B	277V, 200W, HI BAY, 28790 LUMEN, 5000K, DIMMABLE, BLACK, HANG AT 14' A.F.F.			
EM	DUAL HEAD EMERGENCY	SURE-LITES OR EQUAL	APEL	UNIVERSAL MOUNT, 90 MIN. BAT., WHITE COLOR, RED LETTER, 120V			
ER	REMOTE HEAD EMERG.	SURE-LITES OR EQUAL	APWR-RH	REMOTE BATTERY PACK. 90 MIN. BATTERY, 120V, DOUBLE HEAD, WEATHER PROOF			
EX	EXIT/EMERG. COMBO	SURE-LITES OR EQUAL	APCH7R	UNIVERSAL MOUNT, 90 MIN. BAT., WHITE COLOR, RED LETTER, 120V			

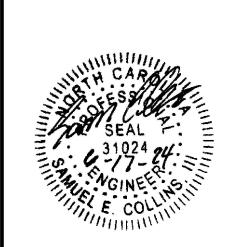
SYMBOL LEGEND		2018 APPENDIX B ELECTRICAL SUMMARY
STIVIDUL LEGEND		2010 APPENDIA D'ELECTRICAL SUIVIIVIART
FUSIBLE DISCONNECT SWITCH S 30 AMP RATED 2 POLE SWITCH, 120V. METAL JUNCTION BOX	S SINGLE POLE SWITCH S3 THREE WAY SWITCH S4 FOUR WAY SWITCH	ELECTRICAL SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE: ENERGY CODE PERFORMANCE PRESCRIPTIVE ASHRAE 90.1 PERFORMANCE PRESCRIPTIVE
WEATHER PROOF DUPLEX RECEPTACLE GROUNG FAULT PROTECTED, 120V, 20A. DUPLEX RECEPTACLE, 120V, 20A, GROUNG FAULT PROTECTED DUPLEX RECEPTACLE, 120V, 20A. HOSPITAL GRADE DUPLEX RECEPTACLE, 120V, 20A, DOUBLE DUPLEX RECEPTACLE, 120V, 20A, RECEPTACLE, 240V, 30A, SIMPLEX DEDICATED RECEPTACLE, 120V, 20A, FLOOR MOUNTED TEL/DATA STUB, 3/4" PVC UNDER SLAB TO WALL, 3/4" EMT TO J.B. ABOVE CEILING OCCUPANCY SENSING SP SWITCH, 120V, 20A. THREE WAY OCCUPANCY SENSING SP SWITCH, 120V, 20A.	SD DIMMER SWITCH, E.C. TO VERIFY WATTAGE AND TYPE, 120V SSP FAN SPEED CONTROL/ON—OFF SWITCH 120V, COORDINATE TYPE WITH FAN TYPES. HOME RUN ▼ TEL/DATA STUB, 3/4" EMT WITH 4x4 BOX □ FLOOR MOUNTED DUPLEX RECEPTACLE, 120V, 20A, COMM. GRADE □ NON—FUSED DISCONNECT SWITCH □ CABLE TV STUB, 1/2"EMT WITH 4x4 BOX □ EXISTING DUPLEX RECEPTACLE, 120V, 20A, □ EXISTING TEL/DATA STUB	LIGHTING SCHEDULE LAMP TYPE REQUIRED IN FIXTURE NUMBER OF LAMPS IN FIXTURE BALLAST TYPE USED IN FIXTURE SEE SCHEDULE ON DRAWINGS BALLAST TYPE USED IN FIXTURE SEE SCHEDULE ON DRAWINGS NUMBER OF BALLASTS IN FIXTURE SEE SCHEDULE ON DRAWINGS TOTAL WATTAGE PER FIXTURE SEE SCHEDULE ON DRAWINGS EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS) MOTOR HORSEPOWER N/A NUMBER OF PHASES M/A MINIMUM EFFICIENCY N/A NUMBER OF POLES N/A ADDITIONAL EFFICIENCY PACKAGE OPTIONS (NOT REQUIRED FOR ASHRAE 90.1) C406.2 MORE EFFICIENT HVAC EQUIPMENT PERFORMANCE C406.4 ENHANCED DIGITAL LIGHTING CONTROLS C406.5 ON—SITE RENEWABLE ENERGY

C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATER



MID-CAROLINA
REGIONAL AIRPORT
STORAGE BUILDING

3870 AIRPORT LOOP SALISBURY, NORTH CAROLINA



ELECTRICAL PLAN NOTES

PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS THEREFROM MUST BE WITH THE WRITTEN CONSENT OF THE ARCHITECT.

	DRAWN: AB		DATE: 17 JUN. 2024		
	CHECKED: SC		REVISED:		
	SHEET NUMBER				