ABBREVIATIONS

ADAAG AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES AFG ABOVE FINISHED GRADE

AT/FP ANTITERRORISM / FORCE PROTECTION
BDCT BUILDING DESIGN AND CONSTRUCTION TEAM
BFG BELOW FINISHED GRADE

C CONDUIT CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED

CFCI CONTRACTOR FORNISHED CC CKT CIRCUIT CMU CONCRETE MASONRY UNIT

CO CONCRETE MASONRY
CO CONDUIT ONLY
DC DIRECT CURRENT
E EAST

EC ELECTRICAL CONTRACTOR
EOR ENGINEER OF RECORD

EQ EQUAL
EV ELECTRIC VEHICLE
EVCS ELECTRIC VEHICLE CHARGING SYSTEM

FO FIBER OPTIC
G GROUND CONDUCTOR
GC GENERAL CONTRACTOR
GEC GROUNDING ELECTROD CONDUCTOR

HVAC HEATING, VENTILATION, AND AIR CONDITIONING
IMC INTERMEDIATE METAL CONDUIT

JB JUNCTION BOX
KO KNOCK OUT

N NORTH
NEC NATIONAL ELECTRIC CODE (NFPA 70)
NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA NATIONAL FIRE PROTECTION ASSOCIATION

GFGI GOVERNMENT FURNISHED GOVERNMENT INSTALLED

NFPA NATIONAL FIRE PROTECT
NIC NOT IN CONTRACT
NTS NOT TO SCALE
OAE OR APPROVED EQUAL

OH OVERHEAD
PNL PANEL
PV PHOTOVOLTAIC
RMC RIGID METAL CONDUIT

RMC RIGID METAL COND
S SOUTH
SIM SIMILAR
SS STAINLESS STEEL

SYM SYMMETRICAL

TYP TYPICAL

UDS UTILITY DISTRIBUTION SYSTEM

UG UNDERGROUND

UL UNDERWRITERS LABORATORIES
UNSW UNSWITCHED
UON UNLESS OTHERWISE NOTED

V VOLT
W WALL MOUNTED
W WATTS
W WEST

WP WEATHERPROOF
WR WEATHER RESISTANT

GENERAL NOTES

 ALL ELECTRICAL WORK MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE, THE ENERGY CONSERVATION CODE, THE NATIONAL FIRE CODES, THE AMERICANS WITH DISABILITIES ACT, AND THE FLORIDA BUILDING CODES.

 CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL, EQUIPMENT, LABOR, AND SERVICES TO CONSTRUCT AND INSTALL COMPLETE AND OPERATIONAL ELECTRICAL SYSTEMS AS SHOWN ON THE CONTRACT DRAWINGS.

CONTRACT DRAWINGS.

3. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE EXISTING CONDITIONS AND REQUIREMENTS.

CONTRACTOR SHALL VERIFY ALL MEASUREMENTS BY ACTUAL OBSERVATION AT THE SITE AND SHALL BE

RESPONSIBLE FOR ALL WORK FITTING TOGETHER IN A SATISFACTORY AND WORKMAN LIKE MANNER.

4. CONTRACTOR MUST THOROUGHLY REVIEW THE PROJECT TO ENSURE THAT ALL WORK MUST MEET OR EXCEED THE ABOVE REQUIREMENTS. ANY ALLEGED DISCREPANCIES MUST BE BROUGHT TO THE ENGINEER'S ATTENTION.

5. CONTRACTOR IS DIRECTED TO OBTAIN COPIES OF ALL RELATED PLANS, SHOP DRAWINGS, AND ADDENDA TO COORDINATE THE RELATED WORK AND SCHEDULING.

6. CONTRACTOR SHALL OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, AND TEST REQUIRED. UPON COMPLETION OF THE WORK, OBTAIN AND SUBMIT CERTIFICATES OF INSPECTION AND APPROVAL TO THE OWNER. THE CONTRACTOR IS TO PAY FOR ALL FEES AND EXPENSES FOR PERMITS, LICENSES, TESTS, AND INSPECTIONS.

7. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW, UL LISTED, AND MEET ALL INDUSTRY STANDARDS. FIRE ALARM SYSTEM COMPONENTS SHALL BE FM LISTED. ALL EQUIPMENT OF THE SAME SYSTEM SHALL BE OF THE SAME MANUFACTURER.

8. CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL MATERIALS THAT ARE FREE FROM DEFECTS AND MANUFACTURED WITHIN THE PERIOD OF ONE YEAR FROM THE DATE OF PROJECT START.

9. ALL CONDUCTORS SHALL BE NEW AND HAVE SIZE, GRADE OF INSULATION, VOLTAGE RATING, AND MANUFACTURERS NAME ON THE INSULATION AT 12" INTERVALS AND SHALL BE DELIVERED IN COMPLETE COILS OR REELS WITH IDENTIFYING SIZE. ALL CONDUCTORS SHALL BE COPPER. ALUMINUM CONDUCTORS ARE NOT ACCEPTABLE.

0. FEEDER CONDUCTORS SHALL BE TYPE THWN, UON. BRANCH CIRCUIT WIRING SHALL BE TYPE THWN, MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. CONDUCTORS SHALL BE INSTALLED IN CONDUIT.

11. MINIMUM SIZE CONDUIT SHALL BE 3/4". ALL EXTERIOR ABOVE GROUND CONDUITS SHALL BE GALVANIZED RMC TO 10'. EXTERIOR UNDERGROUND CONDUITS SHALL BE PVC.

13. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS. CAST ALLOY WITH THREADED HUBS IN WET,

12. ALL CONDUIT RUNS MUST BE CONCEALED, UON.

DAMP, OR SURFACE MOUNTED LOCATIONS. SPECIAL ENCLOSURES FOR CLASSIFIED AREAS.

14. ALL SPECIAL PURPOSE RECEPTACLE OUTLETS MUST BE FURNISHED AND INSTALLED TO MATCH EQUIPMENT TO BE SUPPLIED.

15. ALL CONDUITS MUST INCLUDE A SEPARATE GREEN EQUIPMENT GROUNDING CONDUCTOR.

16. ANY EXISTING UTILITIES LOCATED IN THE AREA OF CONSTRUCTION THAT REQUIRE RELOCATION OR TIE-IN

MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. PROVIDE 72 HOUR ADVANCE NOTICE.

7. ALL DISCONNECT SWITCHES SHALL BE HP RATED, HEAVY DUTY, QUICK MAKE AND BREAK. FUSED DISCONNECTS MUST HAVE LITTLEFUSE TIME DELAY, CLASS RK5, AND INDICATE CLASS RK5.

18. ELECTRICAL CONTRACT DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC ONLY, CONTRACTOR SHALL REFER TO FIELD CONDITIONS OR ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND/OR DIMENSIONS PRIOR TO INSTALLATION OF ALL ELECTRICAL ITEMS. ALL QUESTIONABLE LOCATIONS MUST BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.

19. ALL EMPTY CONDUITS MUST CONTAIN JET LINE #232 POLYOLEFIN 200 LB. TEST PULL STRING.

20. ALL WORK SHOWN ON THE ELECTRICAL PLANS MUST BE PERFORMED BY THE CONTRACTOR, UON.

21. EXTERIOR BURIED CONDUIT RUNS MUST BE MINIMUM 24" BELOW FINISHED GRADE. FURNISH AND INSTALL CAUTION TAPE 12" BELOW GRADE. FURNISH AND INSTALL (1) SPARE WITH EACH UNDERGROUND RUN.

22. RACEWAYS INSTALLED IN OUTDOOR LOCATIONS MUST BE HOT DIPPED GALVINIZED, AT MINIMUM, FOR CORROSION RESISTANCE. FOR HIGHLY CORROSIVE ENVIRONMENTS, SUCH AS COASTAL AREAS, ALUMINUM, STAINLESS STEEL, OR PVC COATED RACEWAYS SHALL BE FURNISHED AND INSTALLED.

23. POWER CHANGE EXPENSES RESULTING FROM EQUIPMENT SUBSTITUTIONS THAT DIFFER FROM ITEMS CALLED FOR IN DRAWINGS OR SPECIFICATIONS SHALL BE BORNE BY THE CONTRACTOR OR THEIR SUBCONTRACTOR. THESE MUST INCLUDE CHANGES IN VOLTAGE OR FULL LOAD AMPS RESULTING IN

24. WATERPROOF RECEPTACLE COVER MUST BE WP EXTRA DUTY WHILE IN-USE TYPE.

LARGER FEEDERS AND OR CIRCUIT BREAKERS.

25. BEFORE INITIATING ANY UNDERGROUND WORK, CONTRACTOR MUST LOCATE ALL UTILITIES.

26. FURNISH AND INSTALL ALL FEEDERS AND BRANCH CIRCUIT WIRING COMPLETE WITH LUGS, CONNECTORS, SPLICE BOXES, AND MAKE ALL CONNECTIONS AS REQUIRED.

27. CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICE WITH ENGINEER OF RECORD AND LOCAL ELECTRIC UTILTIY. SERVICE ENTRANCE INSTALLATION SHALL COMPLY WITH ALL LOCAL UTILITY REQUIREMENTS. CONTRACTOR SHALL COORDINATE DELIVERY OF SERVICE TRANSFORMER, METER ENCLOSURE, AND CT CABINET WITH LOCAL ELECTRIC UTILTITY.

28. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF DAMAGES TO OTHER TRADES OR PREMISES DONE BY THEIR TRADESMEN.

29. CONTRACTOR SHALL RECEIVE, HANDLE, AND MOVE ALL ELECTRICAL MATERIALS AND EQUIPMENT TO REQUIRED LOCATIONS. CONTRACTOR SHALL PROTECT MATERIALS AND EQUIPMENT AGAINST THEFT AND DAMAGE. CONTRACTOR SHALL PROTECT ALL ELECTRICAL WORK UNTIL IT HAS BEEN TESTED AND ACCEPTED.

30. CONTRACTOR SHALL KEEP PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH. AT COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL RUBBISH FROM THE SITE AND LEAVE THE ELECTRICAL SYSTEMS CLEAN AND READY FOR USE. EQUIPMENT, LUMINAIRES, MATERIALS AND ACCESSORIES SHALL BE THOROUGHLY CLEANED OF CEMENT, PLASTER, PAINT, AND OTHER MATERIALS.

31. CONDUITS SHALL BE SECURED TO ALL BOXES AND CABINETS WITH BONDED LOCK NUTS, SO THAT THE ENTIRE SYSTEM IS CONTINUOUSLY AND COMPLETELY GROUNDED.

33. TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP, TIE HANDLES OR TANDEMS ARE

32. ALL SWITCHGEAR, MOTOR CONTROL CENTER, AND PANELBOARD BUSSING SHALL BE COPPER, ALUMINUM IS NOT ACCEPTABLE.

UNACCEPTABLE. ALL CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE.

34. CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE RECORD SET OF CONSTRUCTION "RECORD DRAWING" PRINTS WHICH SHALL BE CORRECTED DAILY, AND SHALL SHOW EVERY CHANGE FROM THE ORIGINAL CONTRACT DRAWINGS, INCLUDING ADDENDA AND CHANGE ORDERS IN ACCORDANCE WITH GENERAL REQUIREMENTS AND SPECIAL CONDITIONS. THIS SET OF PRINTS SHALL BE KEPT ON THE JOB SITE, AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTORS TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH

35. CONTRACTOR SHALL BE RESPONSIBILE FOR ANY CUTTING OF CONSTRUCTION MATERIALS WHICH IS REQUIRED FOR THE INSTALLATION OF DIVISION 26 WORK. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND THE OWNER BEFORE ANY CUTTING. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PATCHING, PAINTING, AND FINISH WORK.

36. ALL UNDERGROUND CONDUITS SHALL BE SLOPED TO DRAIN TO JUNCTION BOXES OR MANHOLES. IF THIS CANNOT BE ACCOMPLISHED, THEY SHALL BE FURNISHED AND INSTALLED WITH DRAINAGE TEES AT THE LOW POINTS OF THE CONDUIT RUNS.

CABLES AND CONDUCTORS IN ALL JUNCTION BOXES, MANHOLES, AND ALL EQUIPMENT ENCLOSURES SHALL BE FURNISHED AND INSTALLED WITH INDIVIDUAL NONFERROUS METAL OR NYLON IDENTIFICATION TAGS.

38. ALL CONDUCTORS SHALL BE COLOR CODED AS REQUIRED BY PROJECT SPECIFICATIONS. CERTIFIED CONDUCTOR TEST REPORTS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

NUMBER
ES001 ABBREVIATIONS AND LEGEND
ES101 SITE PLAN

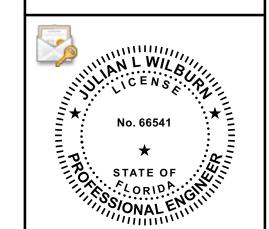
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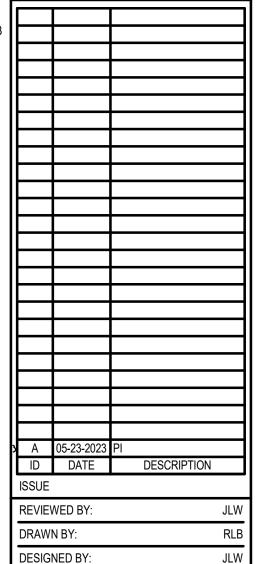
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Julian L. Wilburn, State of Florida, Professional Engineer, License No. 66541.

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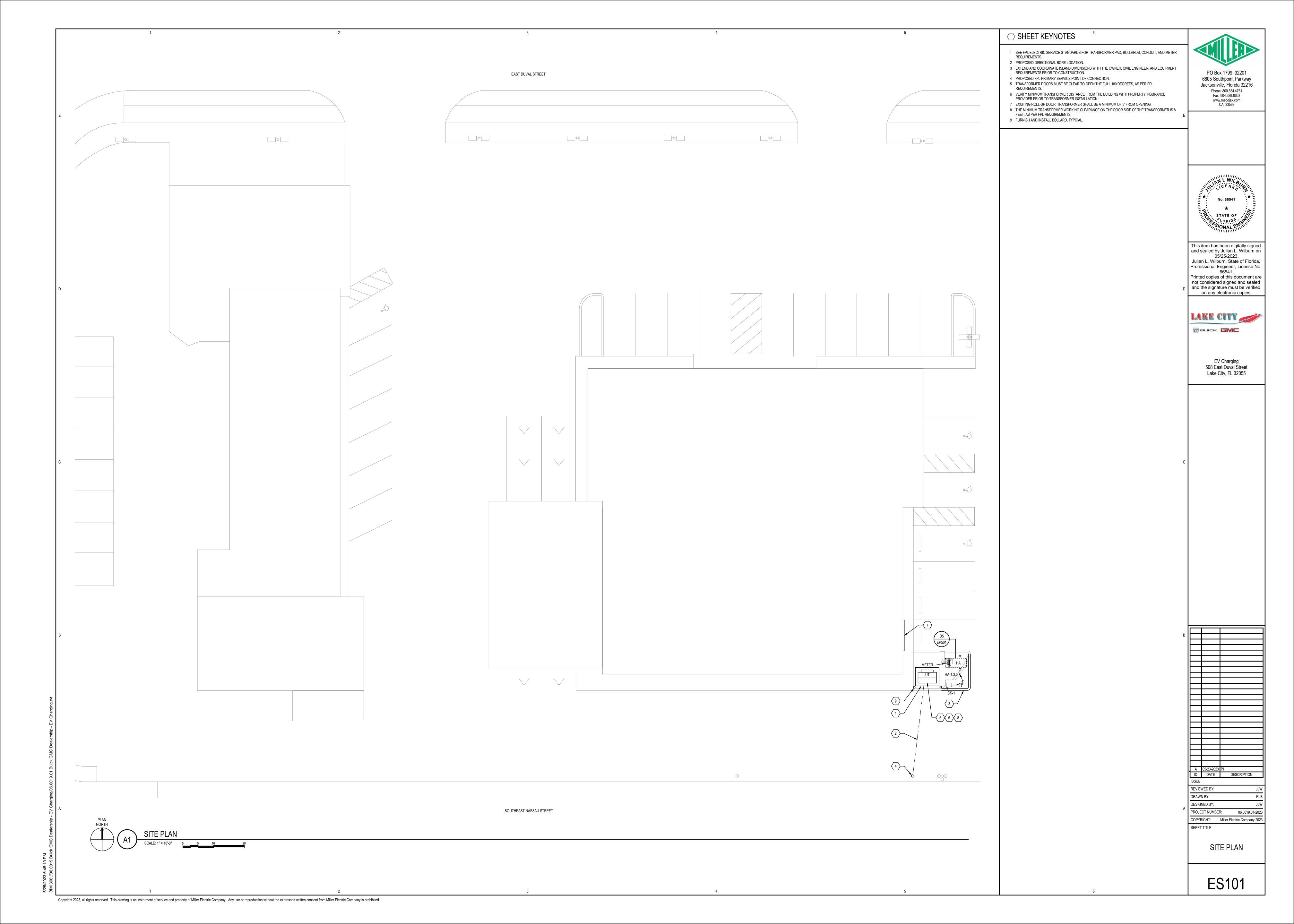
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PROJECT NUMBER:

ES001

5/25/2023 6:45:09 PM BIM 360://06.0019 Buick GMC Dealership - EV Charding/06.0019.01 Buick GMC

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AC AIR COMPRESSOR AC ABOVE COUNTER ACC AIR COOLED CONDENSER

ACCU AIR COOLED CONDENSER UNIT ACT ACOUSTIC CEILING TILE ACU AIR CONDITIONING UNIT

ADA AMERICANS WITH DISABILITIES ACT ADAAG AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES AF AMP FUSE AFD ADJUSTABLE FREQUENCY DRIVE AFF ABOVE FINISHED FLOOR

AHU AIR HANDLING UNIT AIR AMPERE INTERUPTING RATING AP ACCESS PANEL

APU AUXILIARY POWER UNIT ATS AUTOMATIC TRANSFER SWITCH BAS BUILDING AUTOMATION SYSTEM BDCT BUILDING DESIGN AND CONSTRUCTION TEAM BJ BONDING JUMPER

BTS BEAM TRANSPORT SYSTEM C CONDUIT CATV COMMUNITY ANTENNA TELEVISION CB CIRCUIT BREAKER CCTV CLOSED CIRCUIT TELEVISION

CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED CH CHILLER CKT CIRCUIT CMU CONCRETE MASONRY UNIT CO CONDUIT ONLY CRU COMPUTER ROOM UNIT

CT CURRENT TRANSFORMER CU CONDENSING UNIT DAS DISTRIBUTED ANTENNA SYSTEM DC DIRECT CURRENT DCS DISTRIBUTED CONTROL SYSTEM DCU DUCTLESS SPLIT AIR CONDITIONING OUTDOOR UNIT DDC DIRECT DIGITAL CONTROL PANEL

DTCO DOUBLE THROW CENTER OFF E EAST EBJ EQUIPMENT BONDING JUMPER EC ELECTRICAL CONTRACTOR EDH ELECTRIC DUCT HEATER

EF EXHAUST FAN EOR ENGINEER OF RECORD EPO EMERGENCY POWER OFF EQ EQUAL ERU ENERGY RECOVERY UNIT

ESS ENERGY SELECTION SYSTEM ETSP ELECTRONIC TRAP SEAL PRIMER EUH ELECTRIC UNIT HEATER EV ELECTRIC VEHICLE EVCS ELECTRIC VEHICLE CHARGING SYSTEM

EWC ELECTRIC WATER COOLER EWH ELECTRIC WATER HEATER F/P FAX / PRINTER FCU FAN COIL UNIT

FLA FULL LOAD AMPS FPB FAN POWERED TERMINAL BOX FPU FAN POWERED TERMINAL UNIT FSPC FLUSH / FAUCET SENSOR POWER CONVERTER FTU FAN POWERED VAV TERMINAL UNIT G GROUND CONDUCTOR

GB GROUND BUS GC GENERAL CONTRACTOR GC GROUNDED CONDUCTOR GDF GAS DUCT FURNACE GEC GROUNDING ELECTROD CONDUCTOR

GFCI GROUND FAULT CIRCUIT INTERRUPTER GFGI GOVERNMENT FURNISHED GOVERNMENT INSTALLED GFP GROUND POWER UNIT GPU GROUND FAULT PROTECTION GUH GAS UNIT HEATER

GWH GAS WATER HEATER HP HORSEPOWER HVAC HEATING, VENTILATION, AND AIR CONDITIONING IG ISOLATED GROUND IMC INTERMEDIATE METAL CONDUIT JB JUNCTION BOX

KO KNOCK OUT KVA KILOVALT AMP KW KILOWATTS LSI LONG TIME, SHORT TIME, INSTANTANEOUS

LSIG LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND-FAULT MBJ MAIN BONDING JUMPER MCB MAIN CIRCUIT BREAKER MCC MOTOR CONTROL CENTER

MLO MAIN LUGS ONLY MTS MANUAL TRANSFER SWITCH N NORTH N NEUTRAL CONDUCTOR NB NEUTRAL BUS

NC NORMALLY CLOSED NEC NATIONAL ELECTRIC CODE (NFPA 70) NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NFPA NATIONAL FIRE PROTECTION ASSOCIATION

NIC NOT IN CONTRACT NO NORMALLY OPEN NTS NOT TO SCALE OAE OR APPROVED EQUAL

POE POWER OVER ETHERNET

PT POTENTIAL TRANSFORMER

OAHU OUTSIDE AIR HANDLING UNIT OH OVERHEAD PA PUBLIC ADDRESS PNL PANEL

ABBREVIATIONS

PV PHOTOVOLTAIC RAF RETURN AIR FAN RECEPT RECEPTACLE

REF REFRIGERATOR RMC RIGID METAL CONDUIT RTU ROOF TOP UNIT

S SOUTH SBJ SYSTEM BONDING JUMPER SD SUB-DISTRIBUTION CABINET SE SERVICE ENTRANCE

SEGB SERVICE ENTRANCE GROUND BAR SF SUPPLY FAN SHWP SECONDARY HOT WATER PUMP SIM SIMILAR

SPD SURGE PROTECTIVE DEVICE SS STAINLESS STEEL SSBJ SUPPLY SIDE BONDING JUMPER STR STARTER SWBD SWITCHBOARD

SWGR SWITCHGEAR SYM SYMMETRICAL TE THERMAL ELEMENT TEFC TOTALLY ENCLOSED FAN COOLED

TR TAMPER RESISTANT TTB TELEPHONE TERMINAL BOARD TYP TYPICAL

UDS UTILITY DISTRIBUTION SYSTEM UG UNDERGROUND UH UNIT HEATER UL UNDERWRITERS LABORATORIES UON UNLESS OTHERWISE NOTED

UPS UNINTERRUPTABLE POWER SUPPLY UT UTILITY TRANSFORMER UTR UP THROUGH ROOF V VOLT VAV VARIABLE AIR VOLUME (UNIT)

VFD VARIABLE FREQUENCY DRIVE VT VOLTAGE TRANSFORMER W WALL MOUNTED W WATTS

W WEST

WP WEATHERPROOF

Z IMPEDANCE

WR WEATHER RESISTANT

GENERAL NOTES

. ALL ELECTRICAL WORK MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE, THE ENERGY CONSERVATION CODE, THE NATIONAL FIRE CODES, THE AMERICANS WITH DISABILITIES ACT, AND THE FLORIDA BUILDING CODES.

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RESPONSIBLE FOR ALL WORK FITTING TOGETHER IN A SATISFACTORY AND WORKMAN LIKE MANNER.

'. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW, UL LISTED, AND MEET ALL INDUSTRY STANDARDS. FIRE ALARM SYSTEM COMPONENTS SHALL BE FM LISTED. ALL EQUIPMENT OF THE SAME SYSTEM SHALL BE OF THE SAME MANUFACTURER.

8. CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL MATERIALS THAT ARE FREE FROM DEFECTS AND MANUFACTURED WITHIN THE PERIOD OF ONE YEAR FROM THE DATE OF PROJECT START.

9. ALL PANELBOARDS MUST BE FURNISH AND INSTALLED WITH A TYPEWRITTEN SCHEDULE SHOWING CIRCUIT NUMBERS AND A COMPLETE DESCRIPTION OF EACH CIRCUIT, INCLUDING OFFICIAL ROOM NUMBER.

13. ALL CONDUIT RUNS MUST BE CONCEALED, UON.

15. ALL SPECIAL PURPOSE RECEPTACLE OUTLETS MUST BE FURNISHED AND INSTALLED TO MATCH EQUIPMENT TO BE SUPPLIED.

17. ALL DISCONNECT SWITCHES SHALL BE HP RATED, HEAVY DUTY, QUICK MAKE AND BREAK. FUSED DISCONNECTS MUST HAVE LITTLEFUSE TIME DELAY, CLASS RK5, AND INDICATE CLASS RK5.

18. ELECTRICAL CONTRACT DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC ONLY, CONTRACTOR SHALL REFER TO FIELD CONDITIONS OR ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND/OR DIMENSIONS PRIOR TO INSTALLATION OF ALL ELECTRICAL ITEMS. ALL QUESTIONABLE LOCATIONS MUST BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.

19. ALL EMPTY CONDUITS MUST CONTAIN JET LINE #232 POLYOLEFIN 200 LB. TEST PULL STRING.

22. RACEWAYS INSTALLED IN OUTDOOR LOCATIONS MUST BE HOT DIPPED GALVINIZED, AT MINIMUM, FOR CORROSION RESISTANCE. FOR HIGHLY CORROSIVE ENVIRONMENTS, SUCH AS COASTAL AREAS, ALUMINUM, STAINLESS STEEL, OR PVC COATED RACEWAYS SHALL BE FURNISHED AND INSTALLED.

23. POWER CHANGE EXPENSES RESULTING FROM EQUIPMENT SUBSTITUTIONS THAT DIFFER FROM ITEMS CALLED FOR IN DRAWINGS OR SPECIFICATIONS SHALL BE BORNE BY THE CONTRACTOR OR THEIR SUBCONTRACTOR. THESE MUST INCLUDE CHANGES IN VOLTAGE OR FULL LOAD AMPS RESULTING IN LARGER FEEDERS AND OR CIRCUIT BREAKERS.

25. FURNISH AND INSTALL ALL FEEDERS AND BRANCH CIRCUIT WIRING COMPLETE WITH LUGS, CONNECTORS, SPLICE BOXES, AND MAKE ALL CONNECTIONS AS REQUIRED.

26. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF DAMAGES TO OTHER TRADES OR PREMISES DONE BY THEIR TRADESMEN.

27. CONTRACTOR SHALL RECEIVE. HANDLE, AND MOVE ALL ELECTRICAL MATERIALS AND EQUIPMENT TO REQUIRED LOCATIONS. CONTRACTOR SHALL PROTECT MATERIALS AND EQUIPMENT AGAINST THEFT AND DAMAGE. CONTRACTOR SHALL PROTECT ALL ELECTRICAL WORK UNTIL IT HAS BEEN TESTED AND

28. CONTRACTOR SHALL KEEP PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH. AT COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL RUBBISH FROM THE SITE AND LEAVE THE ELECTRICAL SYSTEMS CLEAN AND READY FOR USE. EQUIPMENT, LUMINAIRES, MATERIALS AND ACCESSORIES SHALL BE THOROUGHLY CLEANED OF CEMENT, PLASTER, PAINT, AND OTHER MATERIALS.

34. CABLES AND CONDUCTORS IN ALL JUNCTION BOXES, MANHOLES, AND ALL EQUIPMENT ENCLOSURES SHALI BE FURNISHED AND INSTALLED WITH INDIVIDUAL NONFERROUS METAL OR NYLON IDENTIFICATION TAGS.

35. ALL CONDUCTORS SHALL BE COLOR CODED AS REQUIRED BY PROJECT SPECIFICATIONS. CERTIFIED CONDUCTOR TEST REPORTS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

37. COORDINATE FINAL ELECTRICAL DEVICE AND LUMINAIRE LOCATIONS WITH FINAL SPRINKLER HEAD LOCATIONS TO COMPLY WITH NFPA REQUIREMENTS.

41. FURNISH AND INSTALL ALL FEEDERS AND BRANCH CIRCUIT WIRING COMPLETE WITH LUGS, CONNECTORS, SPLICE BOXES, AND MAKE ALL CONNECTIONS AS REQUIRED.

43. CONTRACTOR SHALL RECEIVE, HANDLE, AND MOVE ALL ELECTRICAL MATERIALS AND EQUIPMENT TO REQUIRED LOCATIONS. CONTRACTOR SHALL PROTECT MATERIALS AND EQUIPMENT AGAINST THEFT AND DAMAGE. CONTRACTOR SHALL PROTECT ALL ELECTRICAL WORK UNTIL IT HAS BEEN TESTED AND

44. CONTRACTOR SHALL KEEP PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH. AT COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL RUBBISH FROM THE SITE AND LEAVE THE ELECTRICAL SYSTEMS CLEAN AND READY FOR USE. EQUIPMENT, LUMINAIRES, MATERIALS AND

45. CONDUITS SHALL BE SECURED TO ALL BOXES AND CABINETS WITH BONDED LOCK NUTS, SO THAT THE ENTIRE SYSTEM IS CONTINUOUSLY AND COMPLETELY GROUNDED.

ACCESSORIES SHALL BE THOROUGHLY CLEANED OF CEMENT, PLASTER, PAINT, AND OTHER MATERIALS.

46. ALL SWITCHGEAR, MOTOR CONTROL CENTER, AND PANELBOARD BUSSING SHALL BE COPPER, ALUMINUM IS

47. TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP, TIE HANDLES OR TANDEMS ARE UNACCEPTABLE. ALL CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE.

NOT ACCEPTABLE.

48. CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE RECORD SET OF CONSTRUCTION "RECORD DRAWING" PRINTS WHICH SHALL BE CORRECTED DAILY, AND SHALL SHOW EVERY CHANGE FROM THE ORIGINAL CONTRACT DRAWINGS, INCLUDING ADDENDA AND CHANGE ORDERS IN ACCORDANCE WITH GENERAL REQUIREMENTS AND SPECIAL CONDITIONS. THIS SET OF PRINTS SHALL BE KEPT ON THE JOB SITE, AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTORS TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH

49. CONTRACTOR SHALL FURNISH AND INSTALL ADEQUATE PROTECTION WHEN WORK IS TO BE PERFORMED IN FINISHED OR OCCUPIED SPACES TO PREVENT DAMAGE TO ADJACENT AREAS, EQUIPMENT, OR FURNISHINGS; TO PREVENT ACCIDENTAL INJURY TO BUILDING OCCUPANTS AND THE PUBLIC; TO PREVENT THE SPREADING OF DUST, DIRT, DEBRIS, AND MOISTURE FROM THE AREA WHERE WORK IS BEING PERFORMED; AND TO PREVENT DUST, DIRT, DEBRIS, AND MOISTURE FROM GETTING ON OR IN THE BUILDING OCCUPANTS FURNISHINGS OR EQUIPMENT.

50. CONTRACTOR SHALL BE RESPONSIBILE FOR ANY CUTTING OF CONSTRUCTION MATERIALS WHICH IS REQUIRED FOR THE INSTALLATION OF DIVISION 26 WORK. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND THE OWNER BEFORE ANY CUTTING. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PATCHING, PAINTING, AND FINISH WORK.

51. THE CONTRACTOR SHALL FURNISH AND INSTALL EXPANSION COUPLINGS AT ALL EXPANSION JOINTS ON STRUCTURES OR AS DESIGNATED BY THE ENGINEER.

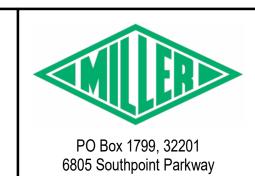
52. CABLES AND CONDUCTORS IN ALL JUNCTION BOXES, MANHOLES, AND ALL EQUIPMENT ENCLOSURES SHALL BE FURNISHED AND INSTALLED WITH INDIVIDUAL NONFERROUS METAL OR NYLON IDENTIFICATION TAGS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

53. ALL CONDUCTORS SHALL BE COLOR CODED AS REQUIRED BY PROJECT SPECIFICATIONS. CERTIFIED CONDUCTOR TEST REPORTS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

36. GROUND RODS SHALL NOT HAVE A RESISTANCE TO GROUND OF MORE THAN 25 OHMS IN ACCORDANCE WITH NEC REQUIREMENTS. CONTRACTOR SHALL PROVIDE ENGINEER OF RECORD WITH A REPORT OF ELECTRICAL RESISTANCE MEASURED BETWEEN THE GROUND ROD AND GROUND.

38. WATERPROOF RECEPTACLE COVER MUST BE WP EXTRA DUTY WHILE IN-USE TYPE.

SHEET LIST EP001 ABBREVIATIONS AND LEGEND EP501 DETAILS EP601 SCHEDULES & DIAGRAMS



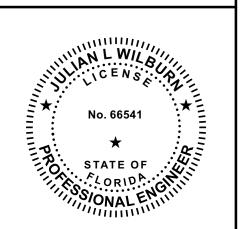
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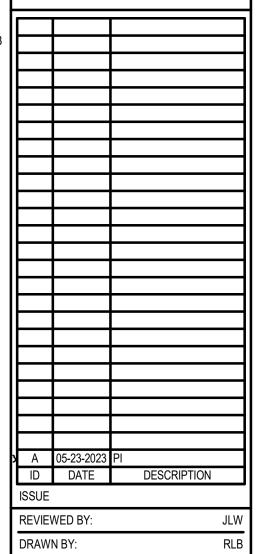
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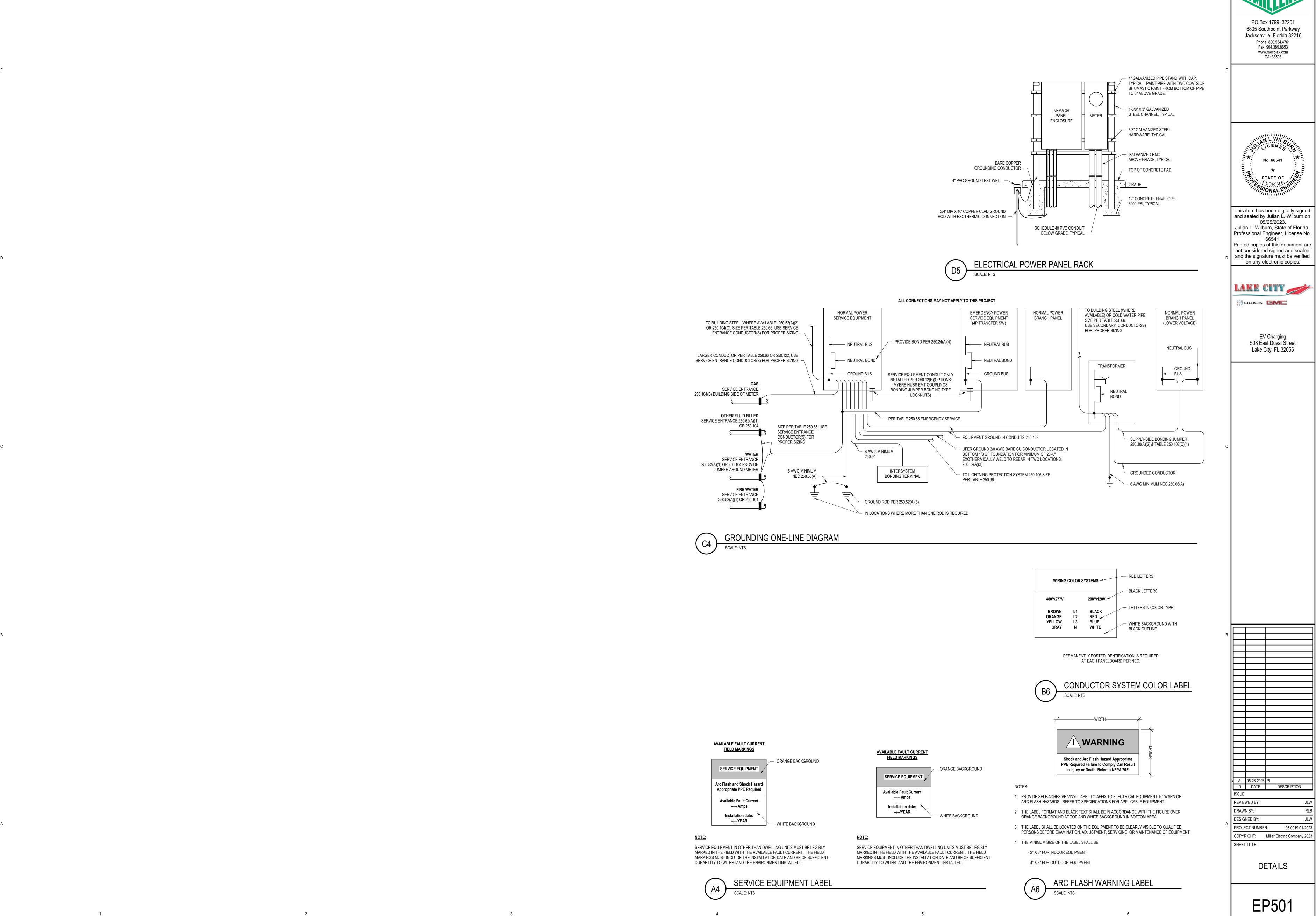
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SHEET TITLE

PROJECT NUMBER:

EP001



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> SHEET KEYNOTES 1 APPROVAL FROM FPL IS REQUIRED TO INSTALL CURRENT TRANSFORMERS IN THE SECONDARY COMPARTMENT OF THE UTILITY TRANSFORMER. PO Box 1799, 32201 6805 Southpoint Parkway Jacksonville, Florida 32216 Phone: 800.554.4761 Fax: 904.389.8653 www.mecojax.com CA: 33593 ENCLOSURES - CONTRACTOR PROVIDED METER - UTILITY PROVIDED 225 kVA 13.2 V Δ TO INSTALLATION OF METER SHALL COMPLY WITH REQUIREMENTS OF THE ELECTRIC UTILITY PROVIDER. FROM FPL } HA 400 A MCB 480Y/277 V 18 kA 05/25/2023. TO CS-1 on any electronic copies. ELECTRICAL POWER ONE-LINE DIAGRAM W BUICK GMC EV Charging 508 East Duval Street Lake City, FL 32055 FEEDER SCHEDULE BRAKER TRIP (AMPS) MINIMUM CONDUIT SIZE GAUGE MIN. EGC (Δ/Y) SETS QUANTITY 500 KCMIL 3 1/2" REFER TO "GROUNDING RISER DETAIL" FOR CONDUCTOR SIZE. REFER TO "TRANSFORMER SCHEDULE" FOR CONDUCTOR SIZE. REFER TO "ELECTRICAL UTILITY MATIX" FOR ADDITIONAL INFORMATION. GENERAL NOTES: 1. ALL FEEDER TYPES SCHEDULED MAY NOT APPLY TO THIS PROJECT. 2. MAXIMUM 2% VOLTAGE DROP FOR FEEDERS; 3% VOLTAGE DROP FOR BRANCH CIRCUITS. 3. ADJUST CONDUCTOR & GEC SIZE FOR LONG RUNS AND TEMPERATURE ABOVE DESIGN AMBIENT TEMPERATURE. 4. CONDUIT SIZING IS BASED ON CONDUCTORS WITH THHW INSULATION. BRANCH CIRCUIT SCHEDULE BREAKER CONDUCTOR GROUND MINIMUM MAXIMUM DISTANCE (FEET)
 GUAGE (CU 75°C)
 GUAGE (MIN. EGC)
 CONDUIT SIZE
 1Ø
 3Ø

 100 (SU 75°C)
 1Ø, 3W 3Ø, 5W 120 V 277 V 208 V 480 V
 480 V
 3/4" 56' 130' 114' 263' #12 #12 #10 #10 3/4" 94' 216' 181' 418'

#10 #10 3/4" 62' 144' 121' 279'

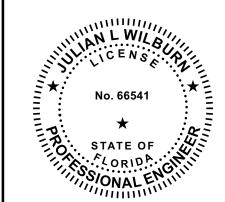
#8 #8 3/4" 1" 96' 222' 192' 444'

#3 #8 1" 1 1/4" 92' 212' 184' 424'

#2 #6 1 1/4" 1 1/2" 116' 267' 232' 534' 100 GENERAL NOTES: 1. SEE DRAWINGS FOR WIRE SIZING WHEN DISTANCE EXCEEDS VALUES SHOWN. 2. DISTANCE IS WIRE LENGTH TO FIRST OUTLET/DEVICE/EQUIPMENT FROM OVERCURRENT PROTECTION. 3. BASIS OF VOLTAGE DROP CALCULATIONS IS 3% DROP, 80% CIRCUIT LOAD, THHN/THWN INSULATION, 100% POWER FACTOR, BALANCED LOAD, NEGLIGIBLE REACTANCE, AND 6 OR LESS CURRENT-CARRYING CONDUCTORS IN RACEWAY. 480Y/277 VAC PANELBOARD HA 400 A BUS W/ 400 A MCB 18 kA SCCR, BOTTOM FEED, SURFACE MOUNT 3 PHASE 4 WIRE LOCATION EV CHARGING ISLAND CKT BREAKER NO TRIP / POLE LOAD CLASS & LOCATION LOAD CLASS & LOCATION BREAKER CKT TRIP / POLE NO ID NOTES L1 L2 L3 L1 L2 L3 NOTES ID 3 100 A 3 CONT ISSUE 30 A 28 REVIEWED BY:
 L1
 L2
 L3

 CONNECTED LOAD:
 20785 VA
 20785 VA
 20785 VA
 DRAWN BY: CODE LOAD TOTALS DESIGNED BY: NONCONTINUOUS: 0 VA CONTINUOUS: 62354 VA NONCONTINUOUS + 125% CONTINUOUS: 77942 VA COPYRIGHT: Miller Electric Company 2023 NONCONTINUOUS + 125% CONTINUOUS: 94 A SHEET TITLE SCHEDULES & GENERAL NOTES: DIAGRAMS FURNISH AND INSTALL TYPE 1/2 SPD.
 FURNISH AND INSTALL LOCKABLE OPEN BREAKER DEVICE. EP601 Copyright 2023, all rights reserved. This drawing is an instrument of service and property of Miller Electric Company. Any use or reproduction without the expressed written consent from Miller Electric Company is prohibited.





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