

DIVISION 26 - ELECTRICAL SPECIFICATIONS

260500 - COMMON WORK RESULTS FOR ELECTRICAL

- A. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL NEW COMPLETE ELECTRICAL SYSTEM AS INDICATED ON DRAWINGS, AS REQUIRED BY CODE AND AS SPECIFIED HEREIN... B. WORK WHICH SHALL BE PERFORMED BY OTHERS INCLUDES THE FOLLOWING... C. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL ALL OF THE 208/120 VOLT ELECTRICAL SERVICE FROM THE UTILITY COMPANY... D. ELECTRICAL EQUIPMENT FURNISHED BY OTHER TRADES OR BY THIS CONTRACTOR AND SPECIFIED IN OR SHOWN ON CONTRACT DOCUMENTS SHALL BE INSTALLED AND CONNECTED BY THIS CONTRACTOR... E. ALL FINISH PAINTING IS TO BE PERFORMED BY GENERAL CONTRACTOR EXCEPT THAT THIS CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ANY PAINTING DEFEATED BY THIS CONTRACTOR... F. ALL WORK SHALL BE DONE IN ACCORDANCE WITH: 1. NATIONAL ELECTRICAL CODE... G. ALL PERMITS REQUIRED BY LAWS, ORDINANCES AND BUILDING CODES HAVING JURISDICTION SHALL BE OBTAINED AT PROPER TIME BY AND AT THE EXPENSE OF THIS CONTRACTOR... H. ALL ELECTRICAL WORK SHALL BE INSPECTED BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION... I. UPON COMPLETION OF THE WORK, THIS CONTRACTOR SHALL FURNISH TO THE ARCHITECT A CERTIFICATE OF INSPECTION AND APPROVAL FROM THE ABOVE DEPARTMENT BEFORE FINAL PAYMENT ON CONTRACT WILL BE ALLOWED... J. TEST ALL WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDING BEFORE ANY EQUIPMENT IS CONNECTED... K. ELECTRICAL LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS ARE DETERMINED BY EXACT LOCATION OF EQUIPMENT... L. ELECTRICAL DRAWINGS ARE INTENDED TO INDICATE APPROXIMATE LOCATIONS OF SWITCHES, RECEPTACLES, LIGHTING FIXTURES AND OTHER ITEMS OF VARIOUS ELECTRICAL SYSTEMS OF PROJECT... M. OWNER RESERVES THE RIGHT TO DIRECT REMOVAL AND REPLACEMENT OF ANY ITEM WHICH DO NOT PRESENT AN ORDERLY OR REASONABLY NEAT OR WORKMANLIKE APPEARANCE... N. THE MATERIALS AND EQUIPMENT INSTALLED IN THE WORK SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND NO MATERIALS OR EQUIPMENT SHALL BE ORDERED UNTIL REVIEWED BY THE OWNER... O. MANUFACTURER'S CATALOG CUTS MAY BE SUBMITTED FOR STANDARD CATALOG LIGHTING FIXTURES AND OTHER EQUIPMENT... P. PROVIDE INSTRUCTION TO OWNER'S OPERATING PERSONNEL AS NECESSARY... Q. COMPILE TWO (2) WRITTEN MANUALS OF OPERATING INSTRUCTIONS INCLUDING COPIES OF SHOP DRAWINGS AND A LISTING OF EQUIPMENT SUPPLIERS... R. ELECTRICAL CONTRACTOR SHALL GUARANTEE HIS WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION... S. SHOULD DEFECTS DEVELOP WITHIN GUARANTEE PERIOD... T. WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE...

260519 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

- A. CONDUCTORS SHALL BE COPPER. UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE MINIMUM COPPER WIRE SIZES FOR WET AND DRY AREAS AS DEFINED BY THE NEC SHALL BE AS FOLLOWS: 20 AMP CKT BKR OR FUSE = #12 AWG, THHN/THWN... B. CONDUCTORS USED FOR EMERGENCY LIGHTING CIRCUITS SHALL BE #10 AWG, MINIMUM, AND SHALL BE RUN IN SEPARATE CONDUIT USED FOR NO OTHER PURPOSE... C. CIRCUIT BREAKER/FUSE AND WIRE SIZE COMBINATIONS NOT SHOWN ABOVE SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION... D. THE FOLLOWING COLOR CODE SHALL BE USED: PHASE A BLACK, PHASE B RED, PHASE C BLUE, NEUTRAL WHITE, GROUND GREEN, ISOLATED GROUND GREEN/YELLOW TRACER... 260526 - GROUNDING AND BONDING A. FURNISH AND INSTALL A COMPLETE GROUNDING SYSTEM IN COMPLIANCE WITH ALL REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE... B. BOND ALL STRUCTURAL STEEL TO EARTH, GROUND RODS OR PLATES, OR WATER SYSTEM AND ISOLATED GROUND FOR IT... C. BOND ALL ROOF MOUNTED EQUIPMENT TO NEC ACCEPTABLE GROUNDS ONLY... D. A SEPARATE EQUIPMENT GROUNDING CONDUCTOR, MINIMUM SIZE PER NEC TABLE 250.122, SHALL BE INSTALLED IN ALL FEEDERS, BRANCH CIRCUITS AND CONTROL CIRCUITS... E. CONDUIT SYSTEM SHALL BE ELECTRICALLY CONTINUOUS... F. ALL RECEPTACLES SHALL BE BONDED TO A GROUND CONDUCTOR... G. LIGHTING FIXTURES SHALL BE GROUNDED BY THE USE OF A PIGTAIL FASTENED ON BARE METAL THAT IS FREE OF PAINT... 260533 - RACEWAY AND BOXES A. ELECTRICAL CONDUCTORS SHALL BE ENCLOSED IN CONTINUOUS GROUNDED EMT CONDUIT RACEWAY SYSTEM EXCEPT AS OTHERWISE NOTED... B. RACEWAY AND ENCLOSURE SIZES SHALL BE AS SHOWN ON DRAWINGS OR, IF NOT SHOWN, SHALL BE SIZED TO COMPLY WITH NEC FLI REQUIREMENTS FOR CONDUCTORS ENCLOSED... C. PULL OR JUNCTION BOXES SHALL BE PROVIDED IN ALL RACEWAY SYSTEMS AT MAXIMUM OF 100 FOOT INTERVALS... D. RACEWAYS AND ENCLOSURES SHALL BE ADEQUATELY SUPPORTED... E. ALL CONDUIT SHALL BE RIGID HEAVYWALL GALVANIZED STEEL... F. ALL CONDUIT FITTINGS SHALL BE GALVANIZED MALLEABLE IRON OR STEEL... G. EMT THIN WALL CONDUIT MAY BE USED INSIDE HOLLOW PARTITIONS... H. CONDUIT SHALL GENERALLY BE CONCEALED WHERE POSSIBLE... I. EXPOSED CONDUIT WILL BE PERMITTED IN ELECTRIC ROOMS... J. DURING ROUGHING-IN, CAP ALL CONDUITS WHICH MAY BECOME FOULED... K. NO MORE THAN FOUR (4) 90-DEGREE BENDS WILL BE ALLOWED... L. OUTLETS SHALL BE PROVIDED FOR DEVICES, LIGHTING FIXTURES, MOTORS AND EQUIPMENT CONNECTIONS...

260553 - IDENTIFICATION

- A. PROVIDE NAMEPLATES ON THE FOLLOWING EQUIPMENT: 1. NAMEPLATES SHALL INDICATE FUNCTION OF EACH DEVICE... C. LETTERING SHALL BE CONDENSED GOTHIC... D. FASTEN NAMEPLATES TO EQUIPMENT USING ADHESIVE MATERIAL... 262416 - PANELBOARDS A. INSTALL MODULAR SWITCHGEAR WHICH INCLUDES PANELBOARDS WITH ALL CIRCUIT BREAKERS... B. MODULAR SWITCHGEAR SHALL BE PURCHASED FROM ONE OF THE 'SUPPLIER LIST' COMPANIES... C. CIRCUIT BREAKERS SHALL BE QUICK MAKE, QUICK BREAK, BOLT ON, THERMAL MAGNETIC TRIP... D. REFER TO PANEL SCHEDULES ON PLANS FOR ADDITIONAL INFORMATION... 262713 - ELECTRICAL SERVICE AND METERING A. METERING EQUIPMENT SHALL BE FURNISHED BY ELECTRICAL UTILITY COMPANY... 262726 - WIRING DEVICES A. FURNISH AND INSTALL WIRING DEVICES, INCLUDING SWITCHES, RECEPTACLES AND POWER RECEPTACLES... B. RECESSED OUTLET BOXES SHALL BE STAMPED STEEL SUITABLE FOR THE DEVICE INSTALLED... C. SURFACE MOUNTED OUTLET BOXES SHALL BE CAST IRON SUITABLE FOR THE DEVICE INSTALLED... D. DUPLEX RECEPTACLES SHALL BE A MINIMUM OF 20 AMPERE RATING... E. COVERPLATES SHALL BE PLASTIC UNLESS OTHERWISE NOTED... F. COVERPLATES FOR SURFACE MOUNTED BOXES SHALL BE STAMPED STEEL SUITABLE FOR THE PARTICULAR BOX AND DEVICE CONFIGURATION... G. WIRING DEVICES UNLESS OTHERWISE PROPERLY AUTHORIZED... H. LOW VOLTAGE CONTROL DEVICES SHALL BE AS NOTED ON DRAWINGS... I. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL MOTOR CONTROLS... J. FURNISH AND INSTALL CONTACTORS, CONTROL RELAYS, PUSHBUTTON STATIONS... K. ALL CIRCUIT BREAKERS FEEDING MOTOR LOADS SHALL BE HACR TYPE... L. EQUIPMENT SHALL BE SAME MAKE AS MOTOR STARTERS... M. ANY ACCESS PANELS REQUIRED BUT NOT SPECIFIED OR SHOWN ON DRAWINGS SHALL BE FURNISHED BY THIS CONTRACTOR WITH DESIGN TO BE APPROVED BY ARCHITECT BEFORE INSTALLATION... 262813 - FUSES A. ALL FUSES SHALL BE BUSSMANN, SIZES AS NOTED ON DRAWINGS... B. ALL FUSES SHALL BE UL LISTED, CURRENT-LIMITING TYPE... C. FUSES 1 AMP AND ABOVE SHALL BE BUSSMANN "LOW PEAK" RK-1... D. CONTROL FUSES FOR MOTOR STARTERS, CONTACTORS, AND CONTROL PANEL TRANSFORMERS SHALL BE BUSSMANN FHO-R SIZED AT 500% RATED CURRENT... E. FURNISH SPARE FUSES TO THE OWNER IN THE FOLLOWING QUANTITIES... F. TYPED LIST OF ALL SPARES SHALL ALSO BE INCLUDED.

262816 - ENCLOSED SWITCHES AND CIRCUIT BREAKERS

- A. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY TYPE, UL LISTED... B. ALL SWITCHES SHALL HAVE SWITCH BLADES WHICH ARE FULLY VISIBLE IN THE "OFF" POSITION... C. SWITCHES SHALL BE QUICK-MAKE, QUICK-BREAK... D. SWITCHES SHALL BE FURNISHED IN NEMA 1 GENERAL PURPOSE ENCLOSURE EXCEPT ALL SWITCHES LOCATED OUTDOORS... E. SWITCHES SHALL BE RATED FOR AC... F. SURFACE-MOUNTED FIXTURES SHALL COVER MOUNTING HARDWARE... G. STEM-MOUNTED FIXTURES SHALL BE MOUNTED SO AS TO BE ABSOLUTELY VERTICAL... H. CONDUIT SYSTEM SHALL BE CONTINUOUS FROM OUTLETS TO TELEPHONE BACKBOARD... I. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING WENDY'S REQUIREMENTS... J. THE FOLLOWING ARE THE SITE READINESS MINIMUM REQUIREMENTS: 1. THE INSTALLATION OF ALL KITCHEN EQUIPMENT IS COMPLETE... 2. THE BUILDING HAS PERMANENT POWER... 3. ALL ISOLATED GROUND (IG RECEPTACLES) ARE INSTALLED AND ENERGIZED... 4. THE FRONT COUNTERS ARE COMPLETE AND ENERGIZED... 5. INTERIOR WALLS ARE COMPLETED FOR KIOSKS... 6. ELECTRICAL IS INSTALLED AND ENERGIZED... 7. DRIVE THRU LOOPS ARE INSTALLED TO HME'S SPECIFICATIONS... 8. BUN WARMERS ARE INSTALLED... 9. MVS CART IS ONSITE... 10. HME LOOPS (DRIVE THRU LOOPS) ARE VISIBLE... K. THE CONTRACTOR SHALL COORDINATE WITH WENDY'S CONSTRUCTION MANAGER...

270510 - TELEPHONE CONDUIT SYSTEM

- A. CONDUIT FOR TELEPHONE WALL OUTLETS SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE... B. TELEPHONE OUTLET BOXES SHALL BE SINGLE GANG... C. FURNISH AND INSTALL A 3/4" THICK TELEPHONE BACKBOARD... D. CONDUIT SYSTEM SHALL BE CONTINUOUS FROM OUTLETS TO TELEPHONE BACKBOARD... E. INSTALL #6 GROUND WIRE FROM TELEPHONE BACKBOARD TO SERVICE ENTRANCE... 270511 - IT INSTALLATION A. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING WENDY'S REQUIREMENTS... B. THE FOLLOWING ARE THE SITE READINESS MINIMUM REQUIREMENTS: 1. THE INSTALLATION OF ALL KITCHEN EQUIPMENT IS COMPLETE... 2. THE BUILDING HAS PERMANENT POWER... 3. ALL ISOLATED GROUND (IG RECEPTACLES) ARE INSTALLED AND ENERGIZED... 4. THE FRONT COUNTERS ARE COMPLETE AND ENERGIZED... 5. INTERIOR WALLS ARE COMPLETED FOR KIOSKS... 6. ELECTRICAL EQUIP IS INSTALLED & OPERATIONAL... 7. ELECTRICAL IS INSTALLED AND ENERGIZED & WALLS ARE COMPLETED & READY FOR QUEUING BOARDS... 8. DRIVE THRU LOOPS ARE INSTALLED TO HME'S SPECIFICATIONS... 9. BUN WARMERS ARE INSTALLED... 10. MVS CART IS ONSITE... 11. HME LOOPS (DRIVE THRU LOOPS) ARE VISIBLE... C. THE CONTRACTOR SHALL COORDINATE WITH WENDY'S CONSTRUCTION MANAGER...

Table with 2 columns: Field Name, Value. Includes SITE NUMBER, BUILDING TYPE, ASSET TYPE, CLASSIFICATION, OWNER, BASE VERSION, UPGRADE CLASSIFICATION, PROJECT YEAR, DESIGN TYPE, DRAWING RELEASE.

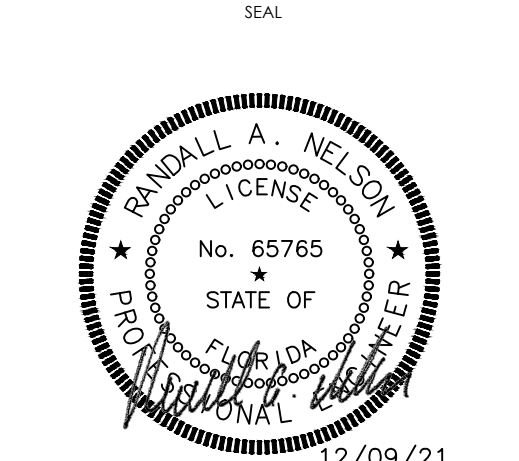


STARBOARD GROUP 12540 W. ATLANTIC BLVD. CORAL SPRINGS, FL 33071 OFFICE: (954)255-2266

Wendy's #00915 (STARBOARD #507) 13119 N. DALE MABRY HWY. TAMPA, FL 33618

Table with 2 columns: REV., DESCRIPTION. Includes revision history for drawing updates.

ISSUE DATE: 12/09/2021 PROJECT NUMBER: 21-121 DRAWN BY: MS/BS CHECKED BY: AR/CF



12/09/21 SHEET NAME: ELECTRICAL SPECIFICATIONS SHEET NUMBER: SP6

12/9/2021, 4:01 PM, C:\Users\l... \Drawings\2106451 - Wendy's - Tampa, FL (North Dale)\Sheet\SP6 ELECTRICAL SPECIFICATIONS.dwg, l... \user\l...