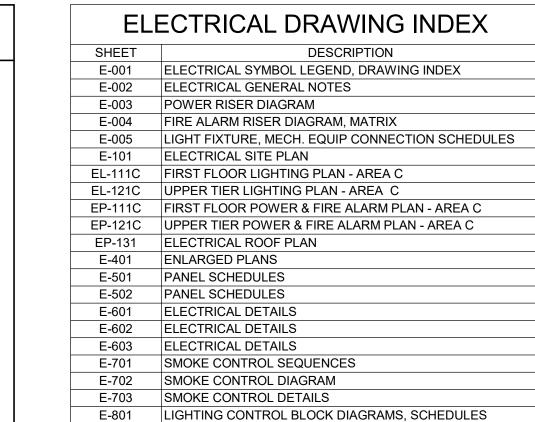
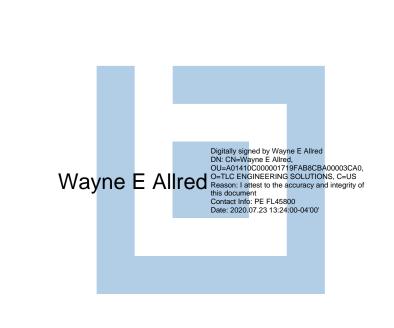
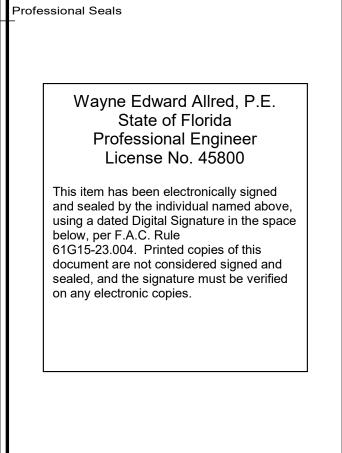
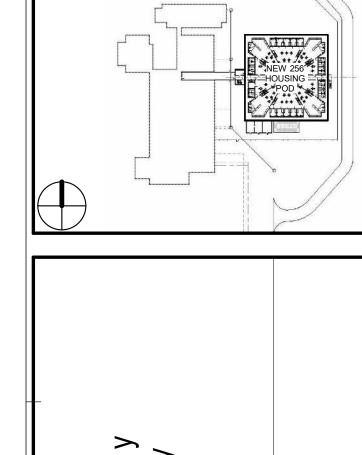
ELECTRICAL SYMBOL LEGEND ABBREVIATIONS BASIC MATERIALS FIRE ALARM/DETECTION SYSTEM AIR CONDITIONING ALTERNATING CURRENT ABV CLG ABOVE CEILING SYMBOL DESCRIPTION SYMBOL DESCRIPTION SYMBOL DESCRIPTION AMERICANS WITH DISABILITIES ACT AMPERE FRAME ABOVE FINISHED FLOOR **DEVICE ABBREVIATION TAGS**: VFD VARIABLE FREQUENCY DRIVE MANUAL PULL STATION, PROVIDED WITH LEXAN COVER ABOVE FINISHED GRADE DIRECT DIGITAL CONTROL PANEL CEILING SMOKE DETECTOR, PHOTOELECTRIC TYPE UNLESS OTHERWISE AV = DOUBLE DUPLEX RECEPTACLE WITH DEDICATED CIRCUIT AIR HANDLING UNIT FOR AV RACK OR CART BUILDING AUTOMATION SYSTEM CONTROL PANEL AMPERE INTERRUPTING CAPACITY E = ELEVATOR WITH RECALL CONTACTS C = TOP HALF OF RECEPTACLE CONTROLLED PER ASHRAE 90.1 (2010): ALUMINUM LIGHTING CONTROL PANEL SG = SECURITY WIRE GUARD, TAMPERPROOF ALLEN FASTENERS PROVIDE POWER PACK FOR CONTROLLED RECEPTACLE CIRCUIT AMPERE FOR CONTROL BY LOCAL ROOM OCCUPANCY SENSOR(S); PROVIDE AMERICAN NATIONAL STANDARDS INSTITUTE DUCT SMOKE DETECTOR MANHOLE AMERICAN STANDARDS ASSOCIATION DEVICE WITH CONTROLLED POWER SYMBOL AMPERE TRIP PULLBOX H = HOSPITAL GRADE NF = NO FLOW AUTOMATIC TRANSFER SWITCH CARBON MONOXIDE DETECTOR HR = HIGH BAY HANDHOLE AUX AUXILIARY IG = ISOLATED GROUND (ORANGE DEVICE) AMERICAN WIRE GAUGE L = LAB RECEPTACLE; TABLE TOP PEDESTAL TYPE TRANSFORMER BARE COPPER BR OR R = BEAM DETECTOR RECEIVER R = RELAY/REMOTE CONTROL OF RECEPTACLE CIRCUIT FOR BASIC IMPULSE LEVEL BT OR T = BEAM DETECTOR TRANSMITTER AUTOMATIC TRANSFER SWITCH AUTOMATIC SHUTOFF **BUILDING AUTOMATION SYSTEM** S = SECURITY FACEPLATE (KENALL, HUBBELL) HEAT DETECTOR 135°F FIXED TEMPERATURE, UNLESS OTHERWISE BUILDING MANAGEMENT SYSTEM -NEMA RATING; NEMA 1 UNLESS OTHERWISE NOTED BRKR OR BKR BREAKER NOTED, CEILING MOUNTED SG = TAMPERPROOF SECURITY GUARD NON-FUSED DISCONNECT SWITCH, RATING AS NOTED NF = NON-FUSED TV = RECEPTACLE FOR TV; MOUNTED ADJACENT TO TV OUTLET SUPERVISED ADDRESSABLE FIRE ALARM CONTROL RELAY **CONDUIT OR RACEWAY** AR = AMPERE RATING OF SWITCH USB = (2) HI-SPEED USB PORTS, INTEGRAL TO DEVICE INPUT MONITORING MODULE (DUAL) CIRCUIT BREAKER 4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE WP = WEATHERPROOF CIRCUIT MULTI-VOLTAGE RELAY -NEMA RATING; NEMA 1 UNLESS OTHERWISE NOTED CIRCUIT BREAKER 4 30AR 3R FUSED DISCONNECT DUCT SMOKE DETECTOR REMOTE TEST SWITCH WITH INDICATING SINGLE POLE LIGHT SWITCH, LOW VOLTAGE LIGHT SWITCH (SUBSCRIPT CERTIFIED BALLAST MANUFACTURERS LAMP, WALL MOUNTED AT 48" AFF, UNLESS OTHERWISE NOTED AF = AMPERE RATING OF FUSE INDICATES ITEM CONTROLLED) CATV CABLE TELEVISION AR = AMPERE RATING OF SWITCH CCTV CLEC CLG COMBINATION SPEAKER/STROBE, WALL MOUNTED, 75CD UNLESS **CLOSED CIRCUIT TELEVISION** THREE-WAY LIGHT SWITCH, LOW VOLTAGE SWITCH INDICATING 3-WAY 4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE THERWISE NOTED CD = CANDELA RATING CLOCK EQUIPMENT CABINET LIGHTING CONTROL FUNCTION XXCD FOUR-WAY LIGHT SWITCH, LOW VOLTAGE SWITCH INDICATING 4-WAY CONDUIT OR RACEWAY ONLY HORN ONLY, WALL MOUNTED - NEMA RATING; NEMA 1 UNLESS OTHERWISE NOTED LIGHTING CONTROL FUNCTION COAX COAXIAL CABLE COND CONDUCTOR STROBE, CEILING MOUNTED, 75 CD UNLESS OTHERWISE NOTED SINGLE POLE KEY SWITCH COMBINATION MAGNETIC MOTOR STARTER, SIZE AS NOTED, 3-POLE CD = CANDELA RATING CONNECTION UNLESS OTHERWISE NOTED CENTRAL PROCESSING UNIT WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH 4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE COMBINATION SPEAKER/STROBE, CEILING MOUNTED, 75CD UNLESS CATHODE RAY TERMINAL (VIDEO DISPLAY TERMINAL) -NEMA STARTER SIZE OTHERWISE NOTED WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR SWITCH CURRENT TRANSFORMER XXCD CD = CANDELA RATING WALL MOUNTED DUAL TECHNOLOGY DIMMING/OCCUPANCY SENSOR S_{D,OS} SWITCHBOARD/ SWITCHGEAR/ DISTRIBUTION PANEL COLD WATER SPEAKER ONLY, CEILING MOUNTED DIRECT CURRENT -<u>(SS</u>) WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, SURFACE MOUNTED SPEAKER ONLY, WALL MOUNTED DDC DIRECT DIGITAL CONTROL DEG -(F) STROBE, WALL MOUNTED, 75CD UNLESS OTHERWISE NOTED CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, FLUSH MOUNTED DEMAND FACTOR DISCONNECT DAYLIGHT SENSOR CEILING MOUNTED FIREMAN'S PHONE JACK BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, SURFACE MOUNTED DISC SW DISCONNECT SWITCH OS = COMBINATION DAY LIGHT / DUAL TECHNOLOGY OCCUPANCY SPRINKLER TAMPER SWITCH CONNECTION DRAW OUT BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, FLUSH MOUNTED DOWN SPRINKLER WATERFLOW SWITCH CONNECTION DAYLIGHT SENSOR WALL MOUNTED DPST DOUBLE POLE SINGLE THROW ELECTRIC DUCT HEATER CONDUIT CONCEALED ABOVE CEILING OR IN WALL PRESSURE SWITCH CONNECTION LOW VOLTAGE OVERRIDE SWITCH **ELECTRICAL METAL TUBING** CONDUIT EXPOSED ELECTROMAGNETIC DOOR HOLD OPEN DEVICE, WALL MOUNTED ELECTRICALLY OPERATED FAN SWITCH FLR = FLOOR MOUNTED EOL END OF LINE MANUAL MOTOR-RATED SWITCH WITH OVERLOADS CONDUIT CONCEALED IN SLAB, UNDERGROUND OR UNDER FLOOR ENGINEER OF RECORD FIRE ALARM CONTROL PANEL EXISTING TO REMAIN FATC LOW VOLTAGE DIMMER SWITCH FIRE ALARM TERMINAL CABINET CONDUIT HOMERUN TO ELECTRICAL PANEL **EWC ELECTRIC WATER COOLER** FIRE ALARM ANNUNCIATOR PANEL - FLUSH MOUNTED FIRE ALARM LOW VOLTAGE SWITCH WITH SECURITY FACEPLATES ——O_{LIP} CONDUIT TURNING UP FAAP FIRE ALARM ANNUNCIATOR PANEL VOICE EVACUATION PANEL FATC FIRE ALARM TERMINAL CABINET PHOTOCELL, MOUNTED ON ROOF FACING NORTH MNS ——●_{DNI} CONDUIT TURNING DOWN MASS NOTIFICATION SYSTEM PANEL FLORIDA BUILDING CODE NOTE: DIAGONAL MARKS INDICATED ON ANY DEVICE REPRESENTS DEVICE CONNECTED TO EMERGENCY CIRCUIT (RED DEVICE FOR FAN COIL UNIT CONDUIT STUBBED OUT OR UP FULL LOAD AMPERES FACTORY MUTUAL RECEPTACLE): TYPICAL FOR ANY DEVICE IN LEGEND CONDUIT CONTINUED FIRE SMOKE DAMPER SINGLE RECEPTACLE FFFT ~ FLEXIBLE CONDUIT DUPLEX RECEPTACLE GROUND FAULT GROUND FAULT ALARM CONDUIT SEAL-OFF FITTING TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE GROUND FAULT CIRCUIT INTERRUPTER GROUND OR GROUND ROD AS NOTED DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER GFR GROUND FAULT RELAY GND, G GROUND TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVER MOUNTED ---- EXISTING TO BE REMOVED (HEAVY, DASHED LINE) HORSEPOWER HAND-OFF-AUTOMATIC — EXISTING TO REMAIN (LIGHT, SOLID LINE) DUPLEX RECEPTACLE; CONTROLLED RECEPTACLE PER ASHRAE 90.1. HORIZ HORIZONTAL PROVIDE (1) RECEPTACLE-RATED POWER PACK PER CIRCUIT IN EACH INTERCOM NEW (HEAVY, SOLID LINE) ROOM, TO BE CONTROLLED THROUGH ROOM OCCUPANCY SENSOR INTENSIVE CARE UNIT INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS SPLIT-WIRED DUPLEX RECEPTACLE WITH TOP HALF CONTROLLED ILLUMINATING ENGINEERING SOCIETY SEPARATELY PER ASHRAE 90.1; BOTTOM HALF UNSWITCHED; PROVIDE (1) LIGHTING INTERMEDIATE METAL CONDUIT RECEPTACLE-RATED POWER PACK PER CIRCUIT IN EACH ROOM, TO BE CONTROLLED THROUGH ROOM OCCUPANCY SENSOR **IPCEA** INSULATED POWER CABLE ENGINEERS ASSOCIATION INSTANTANEOUS TRIP GFCI RECEPTACLE: "WP" INDICATES CAST METAL "IN-USE" LED OR FLUORESCENT STRIP FIXTURE JB OR J-BOX JUNCTION BOX WEATHERPROOF COVER, WEATHER-RESISTANT LISTED —FIXTURE TYPE ONE THOUSAND CIRCULAR MILS KILOVOI T TWO GFCI DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE LED OR FLUORESCENT FIXTURE, RECESSED, PENDANT OR SURFACE CEILING
LOWER CASE LETTER INDICATES CONTROLLING SWITCH KVA KILOVOLT AMPERES GFCI RECEPTACLE MOUNTED ABOVE COUNTER KII OWATT KILOWATT HOURS KWH ————CIRCUIT NUMBER DUPLEX RECEPTACLE, CEILING MOUNTED —LIGHTING CONTROL ZONE NUMBER TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE, LIGHT EMITTING DIODE CEILING MOUNTED LIGHTNING PROTECTION PEDESTAL MOUNTED RECEPTACLE LIGHTING LED OR FLUORESCENT FIXTURE RECESSED, PENDANT OR SURFACE RECESSED FLOOR BOX, ONE 20A 125V DUPLEX RECEPTACLE, CAST METAL LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FOR SLAB-ON-GRADE APPLICATION; COVER & TRIM TO BE BASED ON LONG TIME, SHORT TIME, INSTANTANEOUS, ALARM FINISHED FLOOR (CARPET, TILE TERAZZO, ETC.); WIREMOLD RFB2-OG-2 LONG TIME, SHORT TIME, INSTANTANEOUS DIAGONAL HALF SHADING INDICATE FIXTURE CONNECTED TO MCA MINIMUM CONNECTED AMPS EMERGENCY CIRCUIT OR PROVIDED WITH INTEGRAL EMERGENCY MAX MAXIMUM RECESSED FLOOR BOX, TWO 20A 125V DUPLEX RECEPTACLES (QUAD), BATTERY PACK; "E" AFTER FIXTURE TYPE TAG INDICATES INTEGRAL MINIMUM CIRCUIT AMPS CAST METAL FOR SLAB-ON-GRADE APPLICATION; COVER & TRIM TO BE BATTERY PACK UNLESS OTHERWISE NOTED ON LIGHT FIXTURE MAIN CIRCUIT BREAKER BASED ON FINISHED FLOOR (CARPET, TILE, TERAZZO, ETC.); WIREMOLD SCHEDULE (TYPICAL FOR ALL LIGHT FIXTURE SYMBOLS) MCC MOTOR CONTROL CENTER RFB2-*OG-2 GANG SERIES, RECESSED FLOOR BOX (*OG ONLY APPLIES TO MAIN SERVICE DISTRIBUTION PANEL MDP LED OR FLUORESCENT FIXTURE, WALL MOUNTED MICROPHONE MULTI-SERVICE RECESSED FLOOR BOX WITH (1) 20A 125V DUPLEX MINIMUM LED, FLUORESCENT, HID, RECESSED, PENDANT OR SURFACE CEILING MAIN LUGS ONLY RECEPTACLE, (2) KEYSTONE JACK TYPE DEVICE BRACKETS FOR VOICE/ MAXIMUM OVERCURRENT PROTECTION DATA (SEE TECHNOLOGY DRAWINGS), WIREMOLD RFB2-OG SERIES, 2-LED, FLUORESCENT, HID, WALL MOUNTED MSB MAIN SERVICE SWITCHBOARD GANG RECESSED; COVER & TRIM TO BE BASED ON FINISHED FLOOR MTD MOUNTED (CARPET, TILE, TERRAZZO, ETC.) LED, FLUORESCENT, HID - CEILING WALLWASHER, ACCENT LIGHT, MTG MOUNTING MULTI-SERVICE RECESSED FLOOR BOX WITH TWO 20A 125V DUPLEX LANDSCAPING TREE ACCENT LIGHT MTR RECEPTACLES (QUAD), (4) KEYSTONE JACK TYPE DEVICE BRACKETS FOR MULTIPLEX (TRANSPONDER) PANEL TRACK WITH TRACK LIGHT FIXTURE (TRIANGLES INDICATE QUANTITY OF VOICE/DATA/AV DEVICES (SEE TECHNOLOGY DRAWINGS) MVA MEGA VOLT AMPS TRACK HEADS) A = WIREMOLD EVOLUTION 8-GANG FLOOR BOX, EFB8S-OG SERIES NEUTRAL SLAB-ON-GRADE APPLICATION, FOR POWER/ DATA/ AV EQUIPMENT; EMERGENCY TWIN-HEAD LIGHT FIXTURE WITH INTEGRAL BATTERY PACK, NORMAL CLOSED COVER & TRIM TO BE BASED ON FINISHED FLOOR TYPE (CARPET, NATIONAL ELECTRICAL CODE WALL MOUNTED TILE, TERAZZO, ETC.) NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION LINEAR FLUORESCENT, LED, RECESSED, PENDANT OR SURFACE CEILING B = WIREMOLD EVOLUTION 6-GANG FLOOR BOX, EFB6S-OG SERIES NATIONAL FIRE PROTECTION ASSOCIATION SLAB-ON-GRADE APPLICATION. FOR VOICE/DATA & POWER: COVER TO NOT IN CONTRACT EXTERIOR POLE-MOUNTED AREA LIGHT FIXTURE, ARMS AS INDICATED BE BASED ON FINISHED FLOOR TYPE (CARPET, TILE, TERAZZO, ETC.) \Box NON-FUSED N DRAWINGS XTERIOR PEDESTRIAN SIDEWALK BOLLARD OR POST-TOP LIGHT NON-LINEAR NORMALLY OPEN OR NUMBER FIXTURE OVERLOAD EXIT LIGHT, LED, CEILING OR PENDANT MOUNTED; DIRECTIONAL ARROWS OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION OSHA SPECIAL PURPOSE RECEPTACLE, NEMA CONFIGURATION AS NOTED AS INDICATED; SHADED QUADRANT INDICATES FACE(S) OF FIXTURE PULLBOX JUNCTION BOX WALL MOUNTED EXIT LIGHT, LED, WALL MOUNTED POWER FACTOR EXIT LIGHT, LED, WALL MOUNTED, INTEGRAL EMERGENCY TWIN-HEAD POST INDICATOR VALVE JUNCTION BOX MOUNTED IN OR ABOVE CEILING OR IN STRUCTURE LIGHT FIXTURE, WITH INTEGRAL BATTERY PACK PANEL WALL MOUNTED FURNITURE FEED POWER CONNECTION; PROVIDE (1) PAIR RECEPTACLE-RATED SWITCHPACK FOR (1) OF (2) CIRCUITS TO FURNITURE PRIMARY SYSTEMS, TO BE CONTROLLED THROUGH ROOM OCCUPANCY SENSOR LIGHTNING PROTECTION SYSTEM POTENTIAL TRANSFORMER POLYVINYLCHLORIDE TWO-COMPARTMENT MULTI-SERVICE RACEWAY WITH 5-20R PWR POWER RECEPTACLES, 18" O.C. UNLESS OTHERWISE NOTED REC, RECEPT RECEPTACLE — CI — CLASS I MAIN CONDUCTOR CABLE GND TT GROUND BUS BAR, COPPER REFRIGERATOR RGS, GRC RIGID GALVANIZED CONDUIT — CII — CLASS II MAIN CONDUCTOR CABLE RUNNING LOAD AMPERES SURGE PROTECTIVE DEVICE ROOT-MEAN-SQUARE TEE SPLICE REVOLUTIONS PER MINUTE SHUNT-TRIP PUSHBUTTON; SEMI-FLUSH WALL MOUNTED UNLESS ROOM SCHEDULER OTHERWISE NOTED; NEMA 3R FOR EXTERIOR LOCATIONS FOUR-WAY SPLICE SHORT CIRCUIT AMPERES EMERGENCY POWER OFF SHUNT-TRIP PUSHBUTTON, RED MUSHROOM SMOKE DAMPER HEAD, CLEAR LEXAN PROTECTIVE COVER SECONDARY BONDING PLATE SOLID NEUTRAL OVERHEAD DOOR PUSHBUTTON CONTROL STATION SURGE PROTECTIVE DEVICE SPD AIR TERMINAL; PROVIDE PARAPET TYPE BASE WHERE MOUNTED ON SPKR SPEAKER PARAPET; PROVIDE FLAT BASE FOR MECHANICAL EQUIPMENT OR ROOF SPST SINGLE POLE SINGLE THROW PUSHBUTTON STATION PERIMETER WITH NO PARAPET; PROVIDE BLUNT TIP WHERE MOUNTED ON STAINLESS STEEL INTERIOR OF ROOF, UNLESS OTHERWISE NOTED ON LIGHTNING MOTOR CONNECTION SOLID STATE TRIP PROTECTION PLANS STD SHORT TIME TRIP MOTORIZED DAMPER CONNECTION **GROUND TERMINAL** SWBD SWITCHBOARD MOTORIZED SMOKE DAMPER CONNECTION SWITCHGEAR BONDING CONDUCTOR TELECOM BONDING BACKBONE — G —— COUNTERPOISE CONDUCTOR TELECOMMUNICATION GROUNDING BUSBAF TELEPHONE TELECOMMUNICATION MAIN GROUNDING BUSBAR THRU-ROOF CONDUCTOR TELEPHONE TERMINAL BOARD TELEPHONE TERMINAL CABINET TELEVISION EQUIPMENT CABINET UNDERGROUND UNLESS OTHERWISE NOTED UNDERWRITERS LABORATORIES UTIL **VOLTAMPERES** VOLT AMPERES REACTIVE VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE WIRELESS ACCESS POINT WEATHER PROOF TRANSFORMER XFR TRANSFER NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

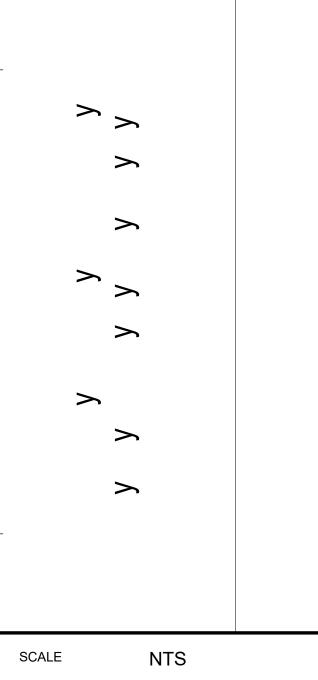


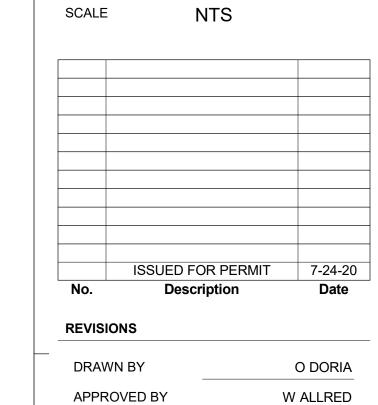












CHECKED BY L WOLFE DATE JULY 24, 2020

ELECTRICAL SYMBOL LEGEND, DRAWING INDEX

PROJECT NO. 50101397

DESTROY AFTER USE