

ABBREVIATIONS

(ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

Table with 2 columns: Abbreviation and Description. Includes entries for A/C, AC, ACC, ACU, ADJ, AF, AFC, AIC, AL, AMP, ANS, ARCH, ARI, ASHRAE, ASME, ASTM, AUX, AV, AWC, AWS, AWA, ATM.

Table with 2 columns: Abbreviation and Description. Includes entries for BAS, BD, BFF, BFW, BKR, BLDG, BOD, BOP, BOS, BTU.

Table with 2 columns: Abbreviation and Description. Includes entries for C, CATV, CCTV, CFH, CFM, CFS, CI, CIRC, CKT, CLG, CMU, CO, COL, CPVC, CU, CW, C, CNT.

Table with 2 columns: Abbreviation and Description. Includes entries for D, DB, DEG, DESIG, DIA, DIM, DISC, DN, DPT, DPST, DS, DWG, DX.

Table with 2 columns: Abbreviation and Description. Includes entries for E, EA, EAT, ECC, EDB, EF, EL, ELEC, ENCL, EQUIP, ESP, EWB, EWC, EWT, EXH, EXIST, EUH.

Table with 2 columns: Abbreviation and Description. Includes entries for FA, FACP, FCO, FCU, FLA, FLEX, FPM, FT, FVNR, F.

Table with 2 columns: Abbreviation and Description. Includes entries for G, GND, GA, GAL, GALV, GC, GF, GFR, GPD, GPH, GPM, H, HD, HOA, HORIZ, HP, HSTAT, HSTM, HTG, HTR, HYAC, HW, HYD, HZ.

Table with 2 columns: Abbreviation and Description. Includes entries for I, ID, IE, IECE, IES, IG, IN, IN WC, J, J-BOX, K, KCMIL, KV, KVA, KW, KWH, L, LAT, LB, LDB, LF, LP, LRA, LST, LTC, LWB, LWT.

Table with 2 columns: Abbreviation and Description. Includes entries for M, MAX, MBH, MCA, MCB, MCC, MD, MECH, MFR, MG, MH, M/N, M/O, MTD, N, N/A, NC, NEC, NEMA, NFPA, NIC, N.O., N.T.S., O, OA, OBD, O.C., OD, OPG, OS&Y, OSHA.

Table with 2 columns: Abbreviation and Description. Includes entries for P, PA, PD, PF, PH, PIV, PLBG, PNL, PSF, PSI, PSIA, PSIG, PSV, PV, PVC, Q, QTY, R, RA, RCP, RD, RE, RECIRC, REINF, REOD, REV, RGS, RH, RHO, RL, RLA, RM, RPM, RS, RTU, S, SA, SD, SECT, SF, SHT, SIM, SHT MTL, SMACNA.

Table with 2 columns: Abbreviation and Description. Includes entries for T, TDH, THRU, TP, TSP, TSTAT, TV, TF, U, U/F, U/G, U/S, UL, UDN, UPS, V, VA, VAC, VAV, VCP, VD, VEL, VERT, VTR, VSI, W, W, W/O, WB, WC, WPD, WP, WT, WH, X, XFMR.

Table with 2 columns: Abbreviation and Description. Includes entries for W, WATT, WIDTH, W/O, WB, WC, WPD, WP, WT, WH, X, XFMR.

ELECTRICAL SYMBOLS

(ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

Table with 2 columns: Symbol and Description. Includes entries for LIGHTING: INCANDESCENT OR HID LIGHTING FIXTURE, WALL WASHER LIGHTING FIXTURE, EXIT SIGN, DARKENED AREA, STRIP FLUORESCENT LIGHTING FIXTURE, LIGHT FIXTURE ON EMERGENCY OR LIFE SAFETY CIRCUIT, FLUORESCENT FIXTURE, WALL MOUNTED LIGHT FIXTURE, EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK.

Table with 2 columns: Symbol and Description. Includes entries for SWITCHES: SWITCH, SPST, 20A, 120/277V; SWITCH, 20A, 120/277V, "2" DENOTES DPST, "3" DENOTES THREE-WAY, "4" DENOTES FOUR-WAY; SWITCH, SPDT, CENTER OFF, MOMENTARY CONTACT; SWITCH, SPST, 20A, 120/277V, "K" DENOTES KEY SWITCH, "P" DENOTES PILOT LIGHT, "M" DENOTES NARROW MULTION SWITCH; DIMMER CONTROL SWITCH, 2000 WATT UNLESS OTHERWISE NOTED.

Table with 2 columns: Symbol and Description. Includes entries for RECEPTACLES AND OUTLETS: SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V; DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V; DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V, "H" DENOTES MOUNTED HORIZONTALLY, RE SPECIFICATIONS; DUPLEX WALL RECEPTACLE ON DEDICATED CIRCUIT; DUPLEX WALL RECEPTACLE, "WP" DENOTES WEATHERPROOF, "TP" DENOTES SAFETY TYPE, "GF" DENOTES GROUND FAULT INTERRUPTER; FOURPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V; FOURPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V ON DEDICATED CIRCUIT; SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED; FLOOR RECEPTACLE, "F" DENOTES FLUSH, TELEVISION OUTLET; CLOCK RECEPTACLE; MULTI-OUTLET SURFACE RACEWAY WITH NEMA 5-20R, 20A, 125V AT 12" ON CENTER; JUNCTION BOX POWER & LIGHTING, S-SECURITY SYSTEM; POWER/TELEPHONE/DATA POLE (FOR MODULAR FURNITURE); FLOOR TELEPHONE OUTLET "F" DENOTES FLUSH; FLOOR DATA OUTLET "F" DENOTES FLUSH; FLOOR RECEPTACLE/TELEPHONE OUTLET "F" DENOTES FLUSH; FLOOR RECEPTACLE/DATA OUTLET "F" DENOTES FLUSH; TELEPHONE OUTLET STUB 3/4" CONDUIT & PULLCORD OUT 6" AFC; DATA OUTLET STUB 3/4" CONDUIT AND PULLCORD OUT 6" AFC; TELEPHONE & DATA OUTLET STUB 3/4" CONDUIT AND PULLCORD OUT 6" AFC.

Table with 2 columns: Symbol and Description. Includes entries for CIRCUITING AND WIRING: CIRCUIT CONCEALED IN WALL OR CEILING; CIRCUIT BELOW SLAB OR GRADE; UNDERGROUND CIRCUIT/DUCTBANK; HASH MARKS INDICATE NUMBER OF CONDUCTORS (LEFT TO RIGHT: NEUTRAL/PHASE/SWITCH LEG/GROUND). NO HASH MARKS INDICATE 2\*12 AND 1\*12 GROUND, UNLESS OTHERWISE NOTED; HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED; CONDUIT STUB UP; CONDUIT STUB DOWN.

Table with 2 columns: Symbol and Description. Includes entries for ELECTRICAL EQUIPMENT: DISTRIBUTION PANEL; SWITCHBOARD OR MOTOR CONTROL CENTER ON HOUSEKEEPING PAD; PANELBOARD (FLUSH OR SURFACE MOUNT) AS INDICATED ON PANEL SCHEDULE; DRY-TYPE TRANSFORMER; AUTOMATIC TRANSFER SWITCH; PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4' X 8' X 3/4" UNLESS OTHERWISE NOTED; TERMINAL CABINET, TYPE AS NOTED 24" X 48" X 3-1/2" UNLESS OTHERWISE NOTED; SURFACE MOUNTED WIREWAY, NEMA 1.

Table with 2 columns: Symbol and Description. Includes entries for DRAWING/DETAIL REFERENCE KEY: REFER TO DRAWING/DETAIL NUMBER; SHEET NUMBER ON WHICH DETAIL IS DRAWN; MISCELLANEOUS: DRAWING NOTE REFERENCE (NOTES BY SYMBOL); THERMOSTAT; INTRUSION ALARM (MAGNETIC SWITCH) DEVICE.

Table with 2 columns: Symbol and Description. Includes entries for MOUNTING HEIGHTS (UNLESS OTHERWISE NOTED): WALL SWITCHES-48" A.F.F. TO CENTER OF SWITCH; WALL RECEPTACLES: DUPLEX - 15" A.F.F. TO CENTER OF RECEPTACLE; QUADPLEX - 15" A.F.F. TO CENTER OF RECEPTACLE; WALL TELEPHONE/DATA OUTLETS: FINISHED AREAS-12" A.F.F. TO CENTER OF OUTLET; WALL MOUNTED - 42" A.F.F. TO CENTER OF OUTLET; WALL DIMMER SWITCHES-48" A.F.F. TO CENTER OF SWITCH; WALL MOUNTED EMERGENCY LIGHT FIXTURE-84" A.F.F. TO CENTER OF FIXTURE; CLOCK OUTLET-84" A.F.F. TO CENTER OF OUTLET; FIRE ALARM PULL STATION-48" A.F.F. TO CENTER OF STATION; FIRE ALARM HORN OR BELL-84" A.F.F. TO CENTER OF HORN OR BELL.

Table with 2 columns: Symbol and Description. Includes entries for GENERAL NOTES: REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS FOR ELECTRICAL CONSTRUCTION; REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING MOUNTED DEVICES; REFER TO ARCHITECTURAL INTERIOR ELEVATION DRAWINGS, WHERE THE ARCHITECT HAS DRAWN SUCH ELEVATIONS, FOR THE LOCATIONS OF ALL WALL MOUNTED DEVICES; COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES IN MECHANICAL / ELECTRICAL SPACES WITH EQUIPMENT, DUCTWORK AND PIPING; PROVIDE 2\*12, 1\*12G, IN A MINIMUM 1/2" C., UNLESS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS; PROVIDE 4\*12, 1\*12 GND, FOR ALL 3 CIRCUIT HOMERUNS; MINIMUM SIZE CONDUIT FOR HOMERUNS IS 3/4" C.; COORDINATE ALL SLAB PENETRATIONS AND SLEEVES PRIOR TO EACH CONCRETE POUR; PROVIDE ACCESS DOORS IN WALLS AND CEILINGS WHERE ACCESS IS REQUIRED TO CONCEALED ELECTRICAL BOXES AND DEVICES; MAINTAIN ALL NEC. REQUIRED CLEARANCES. NOTIFY A/E OF ANY DISCREPANCIES PRIOR TO INSTALLATION.

Table with 2 columns: Symbol and Description. Includes entries for LIGHTING FIXTURE CIRCUITING NOTES: THE LIGHTING PLANS INDICATE SWITCHING AND BRANCH CIRCUIT NUMBERS FOR ALL LIGHTING FIXTURES. LOWER CASE LETTERS AT SWITCHES AND LIGHT FIXTURES INDICATE SWITCHING WHERE THE CONTROL PATTERN IS NOT OBVIOUS. PROVIDE BRANCH CIRCUIT WIRING IN A RACEWAY TO ALL RIGIDLY ATTACHED LIGHT FIXTURES AND TO JUNCTION BOXES FOR ALL LAY-IN LIGHT FIXTURES, AS REQUIRED TO PROVIDE SWITCHING AND CIRCUITING AS SHOWN ON THE DRAWINGS. RE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS; BRANCH CIRCUIT HOMERUNS SHALL BE LIMITED TO A MAXIMUM OF THREE PHASE CONDUCTORS (ON DIFFERENT PHASES), ONE NEUTRAL CONDUCTOR AND ONE GROUND CONDUCTOR, AND SHALL BE INSTALLED IN CONDUIT. CIRCUITS HAVING DIMMERS SHALL HAVE INDIVIDUAL NEUTRALS FOR EACH PHASE WIRE.

Table with 2 columns: Symbol and Description. Includes entries for PANEL DESIGNATIONS (NEW): H2A "H" DENOTES VOLTAGE - "H"=480Y/277V, "L"=208Y/120V; H2EA "2" DENOTES FLOOR WHERE PANEL IS LOCATED (OMITTED IF SINGLE STORY); "E" DENOTES SYSTEM TYPE - BLANK = NORMAL POWER, E= EMERGENCY POWER; "A" DENOTES PANEL SEQUENCE.

Table with 2 columns: Symbol and Description. Includes entries for MOTORS AND CONTROLS: SINGLE OR THREE PHASE MOTOR (NUMBER INSIDE SYMBOL CAN INDICATE HORSEPOWER); ELECTRIC DUCT HEATER; DISCONNECT (SAFETY) SWITCH "200/3/150" DENOTES AMPERES/POLE/FUSE, "NF" DENOTES NON-FUSED; MOTOR STARTER, NEMA SIZE AS NOTED; COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER, "30/3/15/1" DENOTES AMPERES/POLES/ FUSE/OR BREAKER/ NEMA STARTER SIZE, "NF" DENOTES NON-FUSED; MANUAL MOTOR STARTER WITH THERMAL OVERLOAD; LIGHTING CONTACTOR; PHOTOCCELL; PUSH BUTTON STATION; DOOR CONTACT SWITCH; TIME CLOCK.

Table with 2 columns: Symbol and Description. Includes entries for SITE: EXISTING; EXISTING TO BE REMOVED; NEW; DESCRIPTION: PAD MOUNTED TRANSFORMER NUMBER INDICATES KVA RATING; AREA LIGHT POLE & BRACKET ORIENTATION SHOWN, LETTER DENOTES TYPE; UNDERGROUND PRIMARY; UNDERGROUND SECONDARY 480Y/277V, 3PH, 4W; UNDERGROUND TELEPHONE.

Table with 2 columns: Symbol and Description. Includes entries for SITE: EXISTING; EXISTING TO BE REMOVED; NEW; DESCRIPTION: PAD MOUNTED TRANSFORMER NUMBER INDICATES KVA RATING; AREA LIGHT POLE & BRACKET ORIENTATION SHOWN, LETTER DENOTES TYPE; UNDERGROUND PRIMARY; UNDERGROUND SECONDARY 480Y/277V, 3PH, 4W; UNDERGROUND TELEPHONE.

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Table with 4 columns: NO., DATE, REVISION, APPROV. Includes revision history for TOWN OF ADDISON, TEXAS.

TOWN OF ADDISON, TEXAS
MIDWAY/BELTLINE SANITARY SEWER PHASE II
LIFT STATION
ELECTRICAL SYMBOLS & ABBREVIATIONS

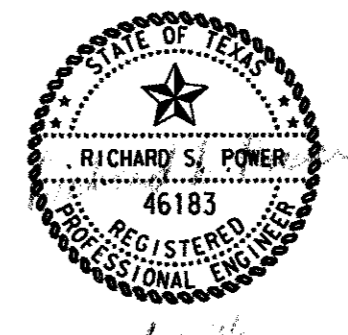
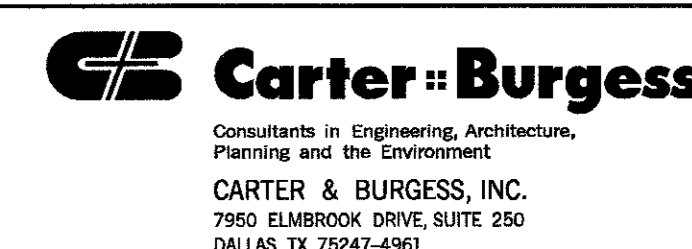


Table with 4 columns: Unit, Scale, Date, Job No. Includes project details: Unit 1, Scale 1/4"=1'-0", Date 04-05-96, Job No. 93327601D.