

A AMPERE  
 AFF ABOVE FINISHED FLOOR  
 AFG ABOVE FINISHED GRADE  
 AIC AMPERES INTERRUPTING CAPACITY  
 AL ALUMINUM  
 AMPS AMPERES  
 ATS AUTOMATIC TRANSFER SWITCH  
 C. CONDUIT  
 CB CIRCUIT BREAKER  
 CKT CIRCUIT  
 CONT. CONTINUATION  
 CPT CONTROL POWER TRANSFORMER  
 CS COMBINATION STARTER  
 CT CURRENT TRANSFORMER  
 C/C CENTER TO CENTER  
 CU COPPER  
 DP DIFFERENTIAL PRESSURE  
 EUC ELECTRIC UTILITY CO.  
 EXIST. EXISTING  
 FO FIBER OPTIC  
 FT FEET  
 FVNR FULL VOLTAGE NON REVERSING  
 GFI GROUND FAULT INTERRUPTER  
 GFS GROUND FAULT SENSING  
 GA GAUGE  
 G. GROUND  
 HOA HAND-OFF-AUTO SELECTOR SWITCH  
 HP HORSEPOWER  
 HTR HEATER  
 HZ HERTZ  
 ID INTERNAL DIAMETER  
 IRP INTERPOSING RELAY PANEL  
 JB JUNCTION BOX  
 KVA KILOVOLT-AMPERE  
 KW KILOWATT  
 LED LIGHT EMITTING DIODE  
 LTG. LIGHTING  
 MBFV MOTOR OPERATED BUTTERFLY VALVE  
 MCB MAIN CIRCUIT BREAKER  
 MCC MOTOR CONTROL CENTER  
 MCP MOTOR CIRCUIT PROTECTOR  
 MFR'S MANUFACTURER'S  
 MH MANHOLE  
 MLO MAIN LUGS ONLY  
 MPR MOTOR PROTECTION RELAY  
 NF NON-FUSED  
 O/C ON CENTER  
 OD OUTSIDE DIAMETER  
 OHE OVERHEAD ELECTRIC  
 P POLE  
 PB PULL BOX  
 PC PHOTOCELL  
 Ø OR PH PHASE  
 PL. PLATE  
 PLC PROGRAMMABLE LOGIC CONTROLLER  
 PR. PAIR CABLE  
 PVC POLYVINYLCHLORIDE CONDUIT  
 RC REMOTE CONTROL  
 REC. CIRCUIT RECLOSURE  
 REQD. REQUIRED  
 RTD RESISTANCE TEMPERATURE DETECTOR  
 RTU REMOTE TERMINAL UNIT  
 S/N SOLID NEUTRAL  
 SHLD. SHIELD  
 SHT. SHEET  
 SPD SURGE PROTECTION DEVICES  
 S.S. STAINLESS STEEL  
 SSRVS SOLID-STATE REDUCED VOLTAGE STARTER  
 STA. STATION  
 STC SIGNAL TERMINATION CABINET  
 SW. SWITCH  
 TC TRAY CABLE OR TERMINATION CABINET  
 TR. TRIAD  
 (TYP.) TYPICAL  
 UPS UNINTERRUPTIBLE POWER SUPPLY  
 UTP UNSHIELDED TWISTED PAIR CABLE  
 VAR. VARIABLE  
 V VOLT  
 VFD VARIABLE FREQUENCY DRIVE  
 W WITH, WIRE OR WATT  
 WP WEATHERPROOF  
 WR WEATHER RESISTANT  
 XFMR TRANSFORMER  
 XMTR TRANSMITTER

(27) UNDER VOLTAGE RELAY  
 (47/27) UNDER VOLTAGE AND PHASE SEQUENCE RELAY  
 (49) THERMAL RELAY  
 (50) INSTANTANEOUS OVERCURRENT RELAY  
 (50 GS) INSTANTANEOUS GROUND OVERCURRENT RELAY  
 (51) TIME OVERCURRENT RELAY  
 (51 GS) TIME OVERCURRENT GROUND FAULT RELAY  
 (59) OVER VOLTAGE RELAY  
 (63) PRESSURE SWITCH  
 (86) LOCK OUT RELAY  
 (87) MOTOR CURRENT DIFFERENTIAL RELAY  
 (M) MAIN CONTACTOR  
 (BC) BYPASS CONTACTOR  
 (ETM) ELAPSED TIME METER  
 (CR) A.C. INDUSTRIAL CONTROL RELAY  
 (V) VOLTMETER  
 (VS) VOLTMETER SWITCH  
 (A) AMMETER  
 (AS) AMMETER SWITCH  
 (W) WATTMETER  
 (KWH) KILOWATT-HOUR METER  
 (ST) SHUNT TRIP  
 (TRP CAP) CAPACITOR TRIP  
 (PFR) PHASE FAILURE, PHASE REVERSAL RELAY  
 UNDERVOLTAGE, OVERVOLTAGE RELAY  
 (TR) TIMING RELAY AS SPECIFIED  
 (TOE TIMED ON ENERGIZATION  
 TOD TIMED ON DEENERGIZATION)  
 (IR) INTERPOSING RELAY  
 (5) SQUIRREL CAGE INDUCTION MOTOR  
 NUMBER DESIGNATES HORSEPOWER  
 (PC) PHOTOCELL  
 (PW) PREWIRED  
 (PB) PULL BOX  
 (MH) MANHOLE  
 (M) UTILITY METER  
 (M) MOTORIZED LOUVER  
 ▲ LOCATED AT SCADA RTU  
 ■ LOCATED REMOTE  
 ■ LOCATED AT MOTOR

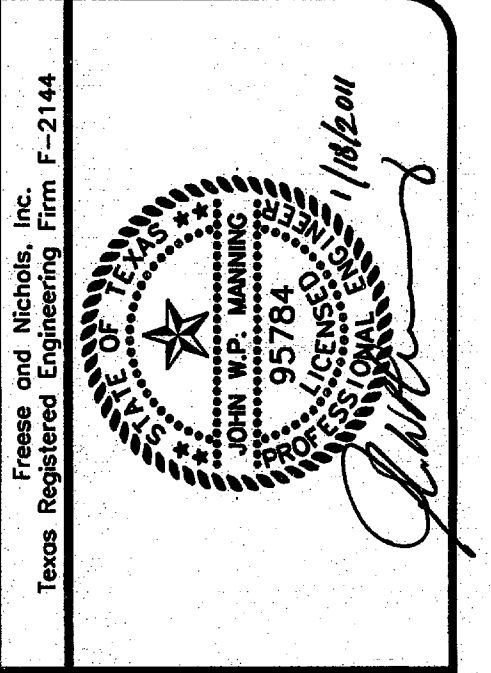
—|— NORMALLY OPEN CONTACT  
 —|/— NORMALLY CLOSED CONTACT  
 —OL— OVERLOAD CONTACT  
 —|/— LIMIT SWITCH, N.O.  
 —|/— LIMIT SWITCH, N.O. (HELD CLOSED)  
 —|/— LIMIT SWITCH, N.C.  
 —|/— LIMIT SWITCH, N.C. (HELD OPEN)  
 —|/— PRESSURE/VACUUM SWITCH, N.O.  
 —|/— PRESSURE/VACUUM SWITCH, N.C.  
 —|/— LIQUID LEVEL SWITCH, N.O.  
 —|/— LIQUID LEVEL SWITCH, N.C.  
 —|/— TEMP, ACTUATED SWITCH, N.O.  
 —|/— TEMP, ACTUATED SWITCH, N.C.  
 —|/— FLOW SWITCH, (AIR/WATER) N.O.  
 —|/— FLOW SWITCH, (AIR/WATER) N.C.  
 —|/— TIMED CONTACTS, N.O.T.C.  
 (TIMED ON ENERGIZATION)  
 —|/— TIMED CONTACTS, N.C.T.O.  
 (TIMED ON ENERGIZATION)  
 —|/— TIMED CONTACTS, N.O.T.C.  
 (TIMED ON DE-ENERGIZATION)  
 —|/— TIMED CONTACTS, N.C.T.O.  
 (TIMED ON DE-ENERGIZATION)  
 —|/— PUSHBUTTON, N.O.  
 —|/— PUSHBUTTON, N.C.  
 ) A ) P CIRCUIT BREAKER  
 A=AMP TRIP, P=POLES  
 ) MCP MOTOR CIRCUIT PROTECTOR  
 —|— SURGE CAPACITOR  
 —|— SURGE ARRESTOR  
 —|— EMERGENCY STOP  
 (LOCAL/REMOTE)  
 —|— FUSED SWITCH  
 —|— SWITCH  
 —|— MOTOR OVERLOAD  
 —|— VACUUM CONTACTOR  
 —|— SPEED POTENTIOMETER  
 X Y Z SELECTOR SWITCH  
 ( X / Y / Z )  
 OXO

—|— POTENTIAL TRANSFORMER  
 —|— CURRENT TRANSFORMER  
 —|— GROUND CURRENT SENSOR TRANSFORMER  
 —|— CONTROL TRANSFORMER  
 —|— TRANSFORMER  
 —|— CPT CONTROL POWER TRANSFORMER  
 —|— REACTOR  
 —|— PANEL  
 —|— STAB  
 —|— FUSED CONTACTOR DRAWOUT TYPE  
 —|— DRAWOUT CIRCUIT BREAKER  
 (K) KIRK KEY INTERLOCK  
 —|— MECHANICAL INTERLOCK  
 —|— FUSE  
 • TERMINAL  
 • NODE  
 —|— GROUND  
 (R) INDICATING LAMP, COLOR INDICATED  
 R=RED, G=GREEN, W=WHITE, A=AMBER, B=BLUE  
 PTT=PUSH TO TEST  
 [ ] DEVICE LOCATED IN FIELD  
 (LIT-XX) INSTRUMENT W/TAG  
 (MC1-XX) CABLE TAG  
 4 #14, #14G, 3/4"C.  
 (2 #14 SPARE)  
 —|— FLEXIBLE CONDUIT  
 —|— HEAT TRACE  
 —|— WIRING IN CONDUIT EXPOSED  
 - - - - UNDERGROUND WIRING OR  
 WIRING IN CONDUIT CONCEALED  
 — OHE — OVERHEAD ELECTRIC LINE  
 - - - - UGE — UNDERGROUND ELECTRIC LINE  
 — OHP — OVERHEAD PRIMARY LINE  
 - - - - UGP — UNDERGROUND PRIMARY LINE  
 — OHS — OVERHEAD SECONDARY LINE  
 - - - - UGS — UNDERGROUND SECONDARY LINE  
 — OHC — OVERHEAD COMMUNICATION LINE  
 - - - - UGC — UNDERGROUND COMMUNICATION LINE  
 — OHFO — OVERHEAD FIBER OPTIC LINE  
 - - - - UGFO — UNDERGROUND FIBER OPTIC LINE  
 —|— CONDUIT TURNED UP  
 —|— CONDUIT TURNED DOWN  
 NUMBER  
 IDENTIFIER  
 RE: X/X-XX  
 SHEET NUMBER

□ NON-FUSED DISCONNECT SWITCH  
 □ FUSED DISCONNECT SWITCH  
 □ COMBINATION MOTOR STARTER SWITCH  
 \$ SINGLE POLE SWITCH  
 \$m MANUAL MOTOR STARTER  
 \$3 THREE WAY SWITCH  
 \$4 FOUR WAY SWITCH  
 \$D DIMMING SWITCH  
 WP,GFI DUPLEX RECEPTACLE, GROUNDED TYPE  
 WP=WEATHERPROOF/GFI=GROUND FAULT INTERRUPTER  
 ⚡ QUADPLEX RECEPTACLE, GROUNDED TYPE  
 ⚡ QUADPLEX RECEPTACLE, ABOVE COUNTER  
 ⚡ DUPLEX RECEPTACLE, ABOVE COUNTER  
 ⚡ SIMPLEX RECEPTACLE, GROUNDED TYPE  
 ⚡ FLOOR MOUNTED RECEPTACLE  
 ⚡ THERMOSTAT  
 ⚡ EXIT LIGHT (DARKENED AREA  
 REPRESENTS FACE ORIENTATION)  
 ⚡ CEILING MOUNTED STROBE  
 ⚡ WALL MOUNTED STROBE  
 ⚡ SMOKE DETECTOR  
 ⚡ HEAT DETECTOR  
 ⚡ HORN  
 ⚡ COMBINATION STROBE/HORN  
 [ ] JUNCTION BOX  
 [ ] JUNCTION  
 ▽ DATA  
 ▽ TELEPHONE  
 ▽ TELEPHONE/DATA  
 ⚡ FLOOR MOUNTED DATA OUTLET  
 ⚡ FLOOR MOUNTED TELEPHONE OUTLET  
 ⚡ POKE-THRU DEVICE  
 COMBINATION POWER/DATA/VOICE OUTLET  
 ⚡ FLOOR COMBINATION POWER/DATA/VOICE OUTLET  
 ⚡ CATV  
 ⚡ GROUND ROD  
 ⚡ GROUND ROD TEST WELL  
 — LA-2 — HOMERUN, PANELBOARD CIRCUIT AS INDICATED  
 ⚡ POWER POLE  
 ⚡ EMERGENCY BATTERY PACK LIGHT FIXTURE  
 [ ] LIGHTING FIXTURE  
 A=FIXTURE TYPE  
 b=SWITCH NUMBER

NOTE:  
 THIS IS A STANDARD LEGEND. THEREFORE,  
 NOT ALL OF THIS INFORMATION MAY BE  
 USED ON THIS PROJECT.

SHEET NUMBER WHERE TAKEN  
 SHEET NUMBER WHERE DRAWN  
 REFERENCE RE: X/X-XX  
 SHEET NUMBER



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TOWN OF ADDISON, TEXAS  
**SURVEYOR 1.5 MG EST**  
 ELECTRICAL  
**LEGEND**

NO.	ISSUE	DATE	BY	DESIGNED	DRAWN	CHECKED	FILE NAME
		01/18/11		JWM	JAF	JNH	EL-ADD-GN-LGND.dwg
Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.							
VERIFY SCALE							
SHEET <b>E-1</b>							
SEQ.							