ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION	ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION	ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION	ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION	NOTES:  1. IN GENERAL CONDUIT ROUTING FOR EQUIPMENT AND DEVICES IS NOT SHOWN ON THE PLANS.  THE CONTRACTOR SHALL BE RESPONSIBLE FOR
52-CS		MEDIUM VOLTAGE DRAWOUT TYPE POWER CIRCUIT BREAKER CS=CONTROL SWITCH			METER  * WM — WATTMETER  WHM — WATTHOUR METER  WHDM — WATTHOUR DEMAND METER			PILOT LIGHT, COLOR AS NOTED  * R - RED G - GREEN B - BLUE	-o LA 0- I1		LIGHTNING ARRESTER	ROUTING ALL CONDUITS WHICH SHALL INCLUDE CONDUITS SHOWN ON ONE—LINE AND RISER DIAGRAMS AND HOME—RUNS SHOWN ON PLAN DRAWINGS. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
*					WHDR — WATTHOUR DEMAND RECORDER PF — POWER FACTOR METER DMU — DIGITAL METERING UNIT	[]		W — WHITE A — AMBER	<u> </u>	•	GROUND OR GROUND ROD	THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUITS REPRESENT A SUGGESTE
±	СВ	LOW VOLTAGE AIR OR MOLDED CASE CIRCUIT BREAKER, 3 POLE UNLESS OTHERWISE NOTED.			TRANSDUCER  AX — CURRENT TRANSDUCER  WX — WATT TRANSDUCER  WHX — WATTHOUR TRANSDUCER	<u> </u>		PILOT LIGHT, PUSH—TO—TEST TYPE, COLOR AS NOTED ABOVE.	30A —————		FUSE, AMPERE RATING AS NOTED	ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE
CDM SMIT		COMBINATION MOTOR CIRCUIT PROTECTOR AND MAGNETIC MOTOR STARTER, FULL VOLTAGE NON-REVERSING UNLESS OTHERWISE NOTED:			RELAY, NO. AS INDICATED 25 — SYNCHRONISM CHECK RELAY 27 — UNDERVOLTAGE RELAY	* RANGE SETPOINT		TIME DELAY RELAY RANGE AS NOTED SETPOINT AS NOTED # NUMBER AS INDICATED * TDE — TIME DELAY AFTER ENERGIZATION	~	HTR	STRIP HEATER OR HEATING ELEMENT	CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS
AMPS TYPE  SIZE   *		* FVR — FULL VOLTAGE REVERSING RVNR — REDUCED VOLTAGE NON—REVERSING RVAT — REDUCED VOLTAGE AUTOTRANSFORMER			32 - DIRECTIONAL POWER RELAY 38 - BEARING PROTECTIVE DEVICE 40 - LOSS OF EXCITATION RELAY 42 - RUNNING CONTACTOR/PILOT RELAY 46 - REVERSE PHASE/PHASE BALANCE/CURRENT			ON DELAY TDD — TIME DELAY AFTER DE—ENERGIZATION OFF DELAY			INDUCTOR	AND/OR SPECIFICATIONS.  3. SWITCHGEAR AND MOTOR CONTROL CENTER COMPARTMENT DESIGNATIONS AS INDICATED BELOW:
AUTHORIZ		RVSS — REDUCED VOLTAGE SOLID STATE 2S1W — TWO SPEED, ONE WINDING 2S2W — TWO SPEED, TWO WINDING (DIAGRAMMATICALLY SHOWN, CONTRACTOR SHALL			RELAY  47 — PHASE SEQUENCE VOLTAGE RELAY  49 — MACHINE OR TRANSFORMER THERMAL RELAY  50/51 — INSTANTANEOUS/TIME OVERCURRENT RELAY	*ONOTC		NOTC — NORMALLY OPEN, TIMED CLOSING WHEN ENERGIZED  NCTO — NORMALLY CLOSED, TIMED OPENING WHEN ENERGIZED	TG	(TG)	TACHOMETER GENERATOR	BLANK: NOT INTENDED FOR USE. PLATE ONLY  SPACE: EQUIPPED WITH REQUIRED BUS AND HARDWARE FOR THE FUTURE
KRITTEN I I I I I I I I I I I I I I I I I I I		FIELD LOCATE)  NON-FUSIBLE DISCONNECT SWITCH, 600 VOLT, 3 POLE  * AMPERE RATING NOTED IF OTHER THAN 30A	1		50G — INSTANTANEOUS GROUND 51 — TIME OVERCURRENT RELAY 51G — TIME OVERCURRENT RELAY, GROUNDING RESISTOR TYPE 51N — TIME OVERCURRENT RELAY, RESIDUAL TYPE	— NOTO		NOTO - NORMALLY OPEN, TIMED OPENING WHEN DE-ENERGIZED  NCTC - NORMALLY CLOSED, TIMED CLOSING			CONTACT, NORMALLY OPEN (NO)	ADDITION OF BREAKERS AND/OR STARTERS WITHIN THE SIZE AND RANGE SHOWN
TTHOUT T		(DIAGRAMMATICALLY SHOWN, CONTRACTOR SHALL FIELD LOCATE)  FUSIBLE DISCONNECT SWITCH, 600 VOLT, 3		*	51V — TIME OVERCURRENT RELAY WITH VOLTAGE RESTRAINT  51X — AUXILIARY RELAY (TRIPS CB AND ALARMS)  59 — OVERVOLTAGE RELAY  60 — NEGATIVE SEQUENCE VOLTAGE RELAY	NCTC	*- ##	WHEN DE-ENERGIZED  FIELD INSTRUMENT, TAG NO. AS INDICATED  * INDICATES INSTRUMENT TYPE DEFINED ON	<del> /</del>		CONTACT, NORMALLY CLOSED (NC)	SPARE: CONTAINS A COMPLETELY INSTALLED BREAKER AND/OR STARTER OF SIZE AND TYPE INDICATED FOR FUTURE USE.
» *	F	POLE,  * AMPERE RATING AND FUSE SIZE AS NOTED  * AMPERE RATING NOTED IF OTHER THAN 30A  FUSE RATING			62 — TIME DELAY RELAY 63 — OVERPRESSURE RELAY 64 — GENERATOR FIELD GROUND RELAY 67 — AC DIRECTIONAL OVERCURRENT RELAY 74 — ALARM LATCHING RELAY		Í	LOOP SHEETS OR P & ID ## INDICATES LOOP NO.  LIQUID LEVEL (FLOAT) SWITCH		—	OVERLOAD RELAY HEATER	4. INTERPRETATION OF ELECTRICAL DRAWINGS: CIRCUIT IDENTIFICATION, ROUTING, AND SIZES OF CONDUITS AND WIRES ARE
↑ OTHER P		(DIAGRAMMATICALLY SHOWN, CONTRACTOR SHALL FIELD LOCATE)  MANUAL MOTOR STARTER WITH THERMAL	-		83 — AUTOMATIC SELECTIVE CONTROL OR TRANSFER RELAY 86 — LOCKING—OUT RELAY 87 — DIFFERENTIAL PROTECTIVE RELAY B — SUFFIX INDICATES "BUS"			NORMALLY OPEN, CLOSES ON RISING LEVEL	*		* K = KEY INTERLOCK E = ELECTRICAL INTERLOCK	SHOWN ON THE FOLLOWING DRAWINGS:  A. ONE LINE POWER DIAGRAMS: POWER, CONTRO AND SIGNAL WIRING REQUIREMENTS FOR
T, FOR ANY	<b>2</b> P	OVERLOAD HEATER, 1 POLE UNLESS OTHERWISE NOTED "P" INDICATES WITH PILOT LIGHT "2" INDICATES TWO POLE (DIAGRAMMATICALLY SHOWN, CONTRACTOR SHALL			G — SUFFIX INDICATES "GENERATOR" GF — GROUND FAULT ST — SHUNT TRIP T — SUFFIX INDICATES "TRANSFORMER"	-o-to-	PS OR ■	NORMALLY CLOSED, OPENS ON RISING LEVEL PRESSURE OR VACUUM SWITCH	ТВ		TERMINAL OR TEST BLOCK	ELECTRICAL DISTRIBUTION EQUIPMENT AND UTILIZATION EQUIPMENT POWERED FROM SWITCHGEAR, SWITCHBOARDS, MOTOR CONTROL CENTERS AND MAJOR POWER DISTRIBUTION PANELBOARDS ARE TYPICALLY SHOWN ON THE
C OR PARJ		FIELD LOCATE)  DRAWOUT TYPE EQUIPMENT OR DEVICE	-		X – SUFFIX INDICATES "AUXILIARY"  SPECIAL CAPACITOR  * SC – SURGE CAPACITOR	-0_0-		NORMALLY OPEN, CLOSES ON RISING PRESSURE	RTD	—	RESISTANCE TEMPERATURE DETECTOR	ONE LINE DIAGRAMS. THE PARAMETERS IDENTIFIED ON THE ONE LINE DIAGRAMS ARE: CIRCUIT IDENTIFICATION, CIRCUIT ORIGIN AND DESTINATION, CONDUIT SIZE, WIRE SIZE AND
N WHOH		MEDIUM VOLTAGE CABLE TERMINATION			PF — POWER FACTOR CORRECTION CAPACITOR  TUNED POWER FACTOR CORRECTION CAPACITOR	— <u>~</u>		NORMALLY OPEN, CLOSES ON DROPPING PRESSURE  NORMALLY CLOSED, OPENS ON RISING PRESSURE	VE OR H	_	VIBRATION DETECTOR	QUANTITY FOR COMPLETE CIRCUIT LENGTH, AND AUXILIARY DEVICES ASSOCIATED WITH THE CONTROL/PROTECTION OF THE POWERED EQUIPMENT, AND SIZE OF THE GROUNDING
BE USED,		MEDIUM VOLTAGE AIR INTERRUPTER SWITCH			PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY CLOSED	<u> </u>	_	NORMALLY CLOSED, OPENS ON DROPPING PRESSURE	DM	DM	DAMPER MOTOR	B. INSTRUMENTATION AND CONTROL RISER DIAGRAMS: POWER, CONTROL, SIGNAL AND
OL LON J		MEDIUM VOLTAGE FUSED AIR INTERRUPTER SWITCH			PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY OPEN	— <u> </u>	TS OR T OR	TEMPERATURE SWITCH OR THERMOSTAT  NORMALLY OPEN, CLOSES ON RISING TEMPERATURE	ЕТМ		ELAPSED TIME METER	DATA HIGHWAY WIRING REQUIREMENTS FOR INSTRUMENTS AND CONTROL DEVICES CONTROLLED/MONITORED FROM INSTRUMENTATION AND CONTROL PANELS SUCH
HAND AND AND AND AND AND AND AND AND AND		★ FUSE RATING  MEDIUM VOLTAGE FUSED MOTOR CONTROLLER	م آه	ES	EMERGENCY STOP PUSHBUTTON WITH RED MUSHROOM HEAD OPERATOR (MAINTAINED			NORMALLY OPEN, CLOSES ON DROPPING TEMPERATURE NORMALLY CLOSED, OPENS ON RISING	× ×		MOTOR OPERATED VALVE OR GATE	AS RTUS, PLCS, TERMINAL CABINETS, AND REMOTE I/O PANELS ARE TYPICALLY SHOWN O THE INSTRUMENTATION AND CONTROL ONE LINE DIAGRAMS. THE PARAMETERS IDENTIFIED ON
XFMR NO. 1		TRANSFORMER, RATINGS AND CONNECTIONS AS NOTED. UNLESS OTHERWISE NOTED ON THE SINGLE LINE DIAGRAMS, ALL DRY TYPE	START STOP  O  O  O  O  O  O  O  O  O  O  O  O	PBL	START-STOP PUSHBUTTON CONTROL STATION (MOMENTARY CONTACT) WITH LOCKOUT DEVICE			TEMPERATURE  NORMALLY CLOSED, OPENS ON DROPPING TEMPERATURE			INDICATES LIMITS OF ELECTRICAL EQUIPMENT OR WIRING ENCLOSURE	THE ONE LINE DIAGRAMS ARE: CIRCUIT IDENTIFICATION, CIRCUIT ORIGIN AND DESTINATION, CONDUIT SIZE, WIRE SIZE, QUANTITY AND TYPE FOR COMPLETE CIRCUIT LENGTH, AND AUXILIARY DEVICES ASSOCIATED
120/208V 3P, 4W	[ ]	TRANSFORMERS SERVICING ADMINISTRATIVE AND LABORATORY SPACES SHALL HAVE A K FACTOR OF 4. ISOLATION TRANSFORMERS SHALL HAVE A K-20 RATING	<u> </u>	РВМ	START-STOP PUSHBUTTON CONTROL STATION, MAINTAINED CONTACT WITH LOCKOUT DEVICE ON		FS OR	FLOW SWITCH (AIR, WATER, ETC.)  NORMALLY OPEN. CLOSES ON INCREASED FLOW		EXISTING	NEW FUTURE	WITH THE CONTROL/PROTECTION OF THE POWERED EQUIPMENT.  C. FLOOR PLANS: FOR DETERMINING THE LENGTH
* A TO 5		CURRENT TRANSFORMER  * QUANTITY  A = PRIMARY AMPERES		[FDM]	STOP	- <u>o</u> Lo-		NORMALLY CLOSED, OPENS ON INCREASED FLOW		WORK	WORK EXPANSION	OF CIRCUITS LOCATED WITHIN STRUCTURES, FLOOR PLANS SHOW THE LOCATION OF ELECTRICAL DISTRIBUTION EQUIPMENT, CONTROL PANELS, UTILIZATION EQUIPMENT, INSTRUMENTS
* V TO 120		POTENTIAL TRANSFORMER  * QUANTITY  V = PRIMARY VOLTAGE	OFF ON	S/S	OFF/ON SELECTOR SWITCH		ZS OR ■	POSITION (LIMIT) SWITCH  NORMALLY OPEN	C		UTURE CONDITION DESIGNATION  ATION (SEE MCC FRONT ELEVATION)	ANCILLARY EQUIPMENT AND DEVICES AND THE ANTICIPATED PENETRATION LOCATIONS WHERE CONDUITS EXIT/ENTER THE STRUCTURE. HOMERUNS MAY ALSO BE SHOWN FROM
PORATED H	G	GENERATOR, RATINGS AND CONNECTIONS AS NOTED	$ \begin{array}{c c}  & & \\$	LR	LOCAL/REMOTE SELECTOR SWITCH	— <del>~</del>		NORMALLY OPEN — HELD CLOSED	1		#3/0, 1#2G DENOTES A F TWO (2) 3-INCH CONDUITS	MISCELLANEOUS EQUIPMENT NOT SHOWN ON A ONE LINE OR RISER DIAGRAM.  D. SITE PLANS: FOR DETERMINING THE LENGTH
ATS - TOOM		AUTOMATIC OR MANUAL TRANSFER SWITCH NO.1 (ATS-1), (MTS-1) "N" INDICATES NORMAL OR	(ox)		3 POSITION SELECTOR SWITCH, MAINTAINED CONTACT	— <del>0</del> — <del>0</del> —		NORMALLY CLOSED — HELD OPEN	SIZE T RVNR	CONDUCTOR CONDUCTOR	AINING THREE NO. 3/0 AWG S AND 1 NO. 2 AWG GROUND R, FROM NEMA SIZE 6 STARTER TO 250HP MOTOR LOAD.	OF CIRCUITS EXTERIOR TO STRUCTURES AND TO IDENTIFY THE SPECIFIC REQUIREMENTS OF THE UNDERGROUND CONDUITS OR DUCT BANKS SITE PLANS SHOW THE GENERAL ROUTING OF UNDERGROUND CONDUITS AND DUCT BANKS
S A A SERV		PREFERRED SOURCE "S" INDICATES STANDBY OR ALTERNATE SOURCE 100A INDICATES CONTINUOUS CURRENT RATING			O-OPEN X-CLOSED  POSITION TOP MIDDLE BOTTOM CONTACT CONTACT		WS OR	TORQUE SWITCH	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	3/4-INCH 14 AWG CO	14, 1#14G DENOTES ONE CONDUIT CONTAINING SEVEN NO. NTROL CONDUCTORS AND 1 NO.	WITH SECTIONS INDICATING THE CONDUIT SIZE, ARRANGEMENT AND CIRCUIT ROUTING.  E. NOTE THAT CONDUIT SIZE WITHIN THE
100A T		VARIABLE SPEED DRIVE CONTROLLER  * D.C. = D.C. DRIVE CONTROLLER	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	*	A         X         O         O           B         O         X         O           C         O         O         X	-0-78-		NORMALLY OPEN, CLOSES ON HIGH TORQUE  NORMALLY CLOSED, OPENS ON HIGH TORQUE			OUND CONDUCTOR.	STRUCTURE IS INDICATED ON ONE—LINE DIAGRAM AND UNDERGROUND SIZE IS INDICATE ON DUCT BANK SECTIONS.
NDED BY	*	SCR = SILICON CONTROLLED RECTIFIER VFD = VARIABLE FREQUENCY DRIVE  UNIT HEATER — ELECTRIC HEATING COIL AND FAN			NAMEPLATE (A/B/C)  HOA — HAND/OFF/AUTO  HOR — HAND/OFF/REMOTE  LOB — LOCAL/OFF/REMOTE	#		UTILIZED IN CONJUNCTION WITH OTHER CONTROL SCHEMATIC SYMBOLS TO DEPICT THE PHYSICAL LOCATION OF THE DEVICE	#2G 4G		THIS IS A	NERAL NOTE STANDARD LEGEND. SYMBOLS MAY NOT
SISIONS PRO	E U	# - RATING  UNIT HEATER - GAS FIRED, STEAM OR WATER			LOR — LOCAL/OFF/REMOTE  RSL — RAISE/STOP/LOWER  TOA — TEST/OFF/AUTO	<u> </u>		# REPRESENTS LOCATION SEE LOCATION LEGEND ON DRAWING  CONDUCTORS OR CONDUITS CROSSING PATHS	3#3/0, 1 <sub>j</sub> #14, 1#1 <sup>2</sup> 114, 1#14	<u>NOTES:</u> 1. PROTECT SHOWN.	APPEAR  TIVE/CONTROL DEVICE AS	ON THE DRAWINGS.
SAND DAS S	M	HEATING COIL AND FAN  MOTOR, NUMERAL INDICATES HORSEPOWER	GD/VF #	GD/VF #	GAS DETECTOR / VENTILATION FAILURE ALARM # INDICATES TYPE OF UNIT 1=MASTER, 2=REMOTE			BUT NOT CONNECTED  CONDUCTORS ELECTRICALLY CONNECTED	(2) 3"C., 3 3/4"C., 7# 3/4"C., 3#	NEAR EC INSTALLE	L/AUXILIARY DEVICES AT OR QUIPMENT. EQUIPMENT SHALL BE ED AND WIRED AS REQUIRED BY	
VS-VM*	_	VOLTMETER WITH SWITCH, 3 PHASE	42 #		MOTOR STARTER COIL, NUMBER AS INDICATED TO DENOTE INTERLOCKING ONLY	T	S			CONTROI	NT FURNISHED AND/OR L DIAGRAM.	
AS-AM*		AMMETER WITH SWITCH, 3 PHASE			CONTROL RELAY COIL, NUMBER AS INDICATED	0,\0	Ž	SOLENOID VALVE	250 TS CS	<u> TYPICAL</u>	ONE LINE DIAGRAM ND CONTROL TO EQUIPMENT	
OOCUMENTS			DESIGNED BY: DRAWN BY: SHEET CHK'D		VALDUM ACityWit	<mark>hout Li</mark> mits		CITY OF VALDOSTA, GA	ITDO			PROJECT NO. 20790-2984  FILE NAME: E001NFLG.DV  SHEET NO.
REV. DATE DRWN CHK	KD	REMARKS	CROSS CHK'D  APPROVED BY:.	BY: A. SRIRAM S. PERRY SEPTEMBER 2025	4651 Salsbury Road, Suite 420 Jacksonville, FL 32256 Tel: (904) 731-7109		VITHLACOO(	CHEE WATER POLLUTION CON PLANT	NIKUL		ELECTRICAL LEGEND I	E-1
₸	I				GA COA No. PEF000106; EXP. DATE 06/30/2024	<u> </u>						ISSUED FOR B

ISSUED FOR BID

BMALL MOUNTE  A  A  A  B  A  B  CROSS HATCH SHALL REMAIN  CROSS HATCH SHALL REMAIN  A  B  A  B  A  B  A  B  A  B  A  B  A  B  A  B  B	JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ROLLED BY SWITCH "b"  UIT NUMBER  TURE, NOTATIONS SAME AS ABOVE  ED TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE  H INDICATES LIGHTING FIXTURE THAT IS UNSWITCHED AND NON AT ALL TIMES. NOTATIONS SAME AS ABOVE.  A INDICATES LIGHTING FIXTURE THAT IS EQUIPPED WITH BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  ED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  ED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS  JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT  JRE TAG #  REGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  HOME RUN TO BATTERY UNIT INDICATED. CONDUIT  SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.	\$\frac{2}{a}\$\$\frac{3}{a}\$\$\frac{2}{a}\$\$\frac{4}{a}\$\$\frac{2}{a}\$\$\frac{4}{a}\$\$\frac{2}{a}\$\$\frac{5}{a}\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\$\frac{5}{a}\$\frac{5}{a}\$\$\frac{5}{a}\$\frac{5}{a}\$\frac{5}{a}\$\frac{5}{a}\$\frac{5}{a}\$\frac{5}{a}\$\frac{5}{a}\$\frac{5}{a}\$\frac{5}{a}\$\frac{5}	DESCRIPTION  SINGLE POLE SWITCH "a" INDICATES FIXTURES CONTROLLED.  DOUBLE POLE SWITCH "a" INDICATES FIXTURES CONTROLLED.  THREE WAY SWITCH "a" INDICATES FIXTURES CONTROLLED.  FOUR WAY SWITCH "a" INDICATES FIXTURES CONTROLLED.  DIMMER SWITCH "a" INDICATES FIXTURES CONTROLLED.  SINGLE POLE SWITCH "os" INDICATES A PASSIVE INFRARED OCCUPANCY SENSOR  DOUBLE POLE SWITCH "os" INDICATES PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF INBOARD/OUTBOARD SWITCHING  SINGLE POLE SWITCH "OT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS OTHERWISE NOTED. SEE LIGHTING FIXTURE SCHEDULE FOR TYPES	SYMBOL  - · · -  • • • • • • • • • • • • • • • • • •	DESCRIPTION  GROUND SYSTEM GRID OR LOOP, 36" BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.  EXOTHERMIC WELD CONNECTION  3/4" x 10'-0" GROUND ROD. UNLESS SPECIFIED OTHERWISE.  GROUND ROD TEST WELL STATION (SEE DETAIL SHEET FOR REQUIREMENTS)  COMMUNICATION SYSTEMS  TELEPHONE OUTLET FOR DESK TYPE HANDSET (MOUNT UP 4'-6") K = KEY SYSTEM  TELEPHONE OUTLET FOR WALL TYPE HANDSET (MOUNT UP 4'-6") K = KEY SYSTEM  PAGE/PARTY TELEPHONE OUTLET FOR DESK TYPE HANDSET  PAGE/PARTY TELEPHONE OUTLET FOR WALL TYPE HANDSET, MOUNT UP 4'-6"  PAGING SPEAKER, WALL MOUNTED H = HORN TYPE W = WIDE ANGLE TYPE	SYMBOL  F  15 F  15 F  VSS  SFS  FO	6'-8" 15 = CANDELA RA  FIRE ALARM MANUA  SPRINKLER VALVE  SPRINKLER FLOW  FIRE ALARM BELL	ER BOX  I, MOUNT UP  BE, MOUNT UP  ATING  I AND STROBE  ATING  JAL PULL STAT  SUPERVISORY	P 6'-8"  E LIGHT COMBINATION, MOUNT UP  TION, MOUNT UP 4'-0"  ( SWITCH	EQUIP ES EWC EWH EX FO FU GCP GEN G, GND GFI GRS HACR HH HT HID HP HZ ID INSTR K	EQUIPMENT EMERGENCY STOP ELECTRIC WATER COOLER ELECTRIC WATER HEATER EXISTING FIBER OPTIC FUSE GENERATOR CONTROL PA GENERATOR GROUND GROUND FAULT INTERRUE GALVANIZED RIGID STEEL HEATING & AIR CONDITIO HANDHOLE HEIGHT HIGH INTENSITY DISCHARG HORSEPOWER HERTZ IDENTIFICATION INSTRUMENT KILO (PREFIX)
A  B  A  B  A  A  B  A  A  B  A  B  A  B  A  A	JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ROLLED BY SWITCH "b"  UIT NUMBER  TURE, NOTATIONS SAME AS ABOVE  ED TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE  H INDICATES LIGHTING FIXTURE THAT IS UNSWITCHED AND NON AT ALL TIMES. NOTATIONS SAME AS ABOVE.  A INDICATES LIGHTING FIXTURE THAT IS EQUIPPED WITH BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  ED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  ED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS  JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT  JRE TAG #  REGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  HOME RUN TO BATTERY UNIT INDICATED. CONDUIT  SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.	\$2 \$DT \$DT C3 TM	DOUBLE POLE SWITCH "a" INDICATES FIXTURES CONTROLLED.  THREE WAY SWITCH "a" INDICATES FIXTURES CONTROLLED.  FOUR WAY SWITCH "a" INDICATES FIXTURES CONTROLLED.  DIMMER SWITCH "a" INDICATES FIXTURES CONTROLLED.  SINGLE POLE SWITCH "OS" INDICATES A PASSIVE INFRARED OCCUPANCY SENSOR  DOUBLE POLE SWITCH "OS" INDICATES PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF INBOARD/OUTBOARD SWITCHING  SINGLE POLE SWITCH "DT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> </ul>	OTHERWISE NOTED.  EXOTHERMIC WELD CONNECTION  3/4" x 10'-0" GROUND ROD. UNLESS SPECIFIED OTHERWISE.  GROUND ROD TEST WELL STATION (SEE DETAIL SHEET FOR REQUIREMENTS)  COMMUNICATION SYSTEMS  TELEPHONE OUTLET FOR DESK TYPE HANDSET (K = KEY SYSTEM)  TELEPHONE OUTLET FOR WALL TYPE HANDSET (MOUNT UP 4'-6") (K = KEY SYSTEM)  PAGE/PARTY TELEPHONE OUTLET FOR DESK TYPE HANDSET  PAGE/PARTY TELEPHONE OUTLET FOR WALL TYPE HANDSET, MOUNT UP 4'-6"  PAGING SPEAKER, WALL MOUNTED HE HORN TYPE W = WIDE ANGLE TYPE	F 15 F 15 F F VSS SFS	FIRE ALARM HORN  FIRE ALARM STROE  15 = CANDELA RA  FIRE ALARM HORN  6'-8"  15 = CANDELA RA  FIRE ALARM MANU  SPRINKLER VALVE  SPRINKLER FLOW  FIRE ALARM BELL	N, MOUNT UP BE, MOUNT UP ATING N AND STROBE ATING JAL PULL STAT SUPERVISORY	P 6'-8"  E LIGHT COMBINATION, MOUNT UP  TION, MOUNT UP 4'-0"  ( SWITCH	GFI GRS HACR HH HT HID HP HZ	ELECTRIC WATER COOLER ELECTRIC WATER HEATER EXISTING FIBER OPTIC FUSE GENERATOR CONTROL PA GENERATOR GROUND GROUND FAULT INTERRUE GALVANIZED RIGID STEEL HEATING & AIR CONDITIO HANDHOLE HEIGHT HIGH INTENSITY DISCHARG HORSEPOWER HERTZ IDENTIFICATION INSTRUMENT
TANDER STATE OF THE PROPERTY O	TURE, NOTATIONS SAME AS ABOVE  ED TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE  H INDICATES LIGHTING FIXTURE THAT IS UNSWITCHED AND NON AT ALL TIMES. NOTATIONS SAME AS ABOVE.  A INDICATES LIGHTING FIXTURE THAT IS EQUIPPED WITH BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  ED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  ED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT JRE TAG #  REGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.	\$2 \$DT \$DT C3 TM	THREE WAY SWITCH "c" INDICATES FIXTURES CONTROLLED.  FOUR WAY SWITCH "a" INDICATES FIXTURES CONTROLLED.  DIMMER SWITCH "a" INDICATES FIXTURES CONTROLLED  SINGLE POLE SWITCH "OS" INDICATES A PASSIVE INFRARED OCCUPANCY SENSOR  DOUBLE POLE SWITCH "OS" INDICATES PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF INBOARD/OUTBOARD SWITCHING  SINGLE POLE SWITCH "DT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS	▼K  ▼K  ▼	3/4" x 10'-0" GROUND ROD. UNLESS SPECIFIED OTHERWISE.  GROUND ROD TEST WELL STATION (SEE DETAIL SHEET FOR REQUIREMENTS)  COMMUNICATION SYSTEMS  TELEPHONE OUTLET FOR DESK TYPE HANDSET (K = KEY SYSTEM)  TELEPHONE OUTLET FOR WALL TYPE HANDSET (MOUNT UP 4'-6") (MOUNT UP 4'-6") (MOUNT UP 4'-6") (MOUNT UP 4'-6")  PAGE/PARTY TELEPHONE OUTLET FOR DESK TYPE HANDSET (MOUNT UP 4'-6")  PAGING SPEAKER, WALL MOUNTED (MOUNT UP 4'-6") (MOUNT U	F VSS	FIRE ALARM STROE  15 = CANDELA RA  FIRE ALARM HORN  6'-8"  15 = CANDELA RA  FIRE ALARM MANU  SPRINKLER VALVE  SPRINKLER FLOW  FIRE ALARM BELL	BE, MOUNT UP ATING N AND STROBE ATING JAL PULL STAT SUPERVISORY	P 6'-8"  E LIGHT COMBINATION, MOUNT UP  TION, MOUNT UP 4'-0"  ( SWITCH	GFI GRS HACR HH HT HID HP HZ	EXISTING FIBER OPTIC FUSE GENERATOR CONTROL PA GENERATOR GROUND GROUND FAULT INTERRUE GALVANIZED RIGID STEEL HEATING & AIR CONDITIO HANDHOLE HEIGHT HIGH INTENSITY DISCHARG HORSEPOWER HERTZ IDENTIFICATION INSTRUMENT
WALL MOUNTE  A  OR  CROSS HATCH SHALL REMAIN  A  OR  SHADED AREA EMERGENCY B  OR  OR  A  OR  SHADED AREA EMERGENCY B  OR  OR  OR  OR  OR  OR  OR  OR  OR  O	ED TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE  H INDICATES LIGHTING FIXTURE THAT IS UNSWITCHED AND NON AT ALL TIMES. NOTATIONS SAME AS ABOVE.  A INDICATES LIGHTING FIXTURE THAT IS EQUIPPED WITH BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  ED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  ED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS  JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT  JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  HOME RUN TO BATTERY UNIT INDICATED. CONDUIT  SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.	\$2 \$DT \$DT C3 TM	FOUR WAY SWITCH "a" INDICATES FIXTURES CONTROLLED.  DIMMER SWITCH "a" INDICATES FIXTURES CONTROLLED  SINGLE POLE SWITCH "OS" INDICATES A PASSIVE INFRARED OCCUPANCY SENSOR  DOUBLE POLE SWITCH "OS" INDICATES PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF INBOARD/OUTBOARD SWITCHING  SINGLE POLE SWITCH "OT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS	▼K  ▼K  ▼	GROUND ROD TEST WELL STATION (SEE DETAIL SHEET FOR REQUIREMENTS)  COMMUNICATION SYSTEMS  TELEPHONE OUTLET FOR DESK TYPE HANDSET K = KEY SYSTEM  TELEPHONE OUTLET FOR WALL TYPE HANDSET (MOUNT UP 4'-6") K = KEY SYSTEM  PAGE/PARTY TELEPHONE OUTLET FOR DESK TYPE HANDSET  PAGE/PARTY TELEPHONE OUTLET FOR WALL TYPE HANDSET, MOUNT UP 4'-6"  PAGING SPEAKER, WALL MOUNTED H = HORN TYPE W = WIDE ANGLE TYPE	F VSS	15 = CANDELA RA  FIRE ALARM HORN 6'-8" 15 = CANDELA RA  FIRE ALARM MANU  SPRINKLER VALVE  SPRINKLER FLOW  FIRE ALARM BELL	ATING  I AND STROBE  ATING  JAL PULL STAT  SUPERVISORY	E LIGHT COMBINATION, MOUNT UP  TION, MOUNT UP 4'-0"  7 SWITCH	GFI GRS HACR HH HT HID HP HZ	FUSE GENERATOR CONTROL PAGENERATOR GROUND GROUND FAULT INTERRUM GALVANIZED RIGID STEEL HEATING & AIR CONDITION HANDHOLE HEIGHT HIGH INTENSITY DISCHARM HORSEPOWER HERTZ IDENTIFICATION INSTRUMENT
CROSS HATCH SHALL REMAIN  A 3  OR  SHADED AREA EMERGENCY B  A 3  POLE MOUNTE ABOVE  POLE MOUNTE AS ABOVE  EMERGENCY L "EM" - FIXTUE "3" - SUPEE * - FIXTUE  REMOTE EMER LAMP HEADS "R-2" - F SO OR  R-2" - F SO OR  CROSS HATCH SHATCH SH	H INDICATES LIGHTING FIXTURE THAT IS UNSWITCHED AND N ON AT ALL TIMES. NOTATIONS SAME AS ABOVE.  A INDICATES LIGHTING FIXTURE THAT IS EQUIPPED WITH BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  ED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  ED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.	\$2 \$DT \$DT C3 TM	DIMMER SWITCH "a" INDICATES FIXTURES CONTROLLED  SINGLE POLE SWITCH "OS" INDICATES A PASSIVE INFRARED OCCUPANCY SENSOR  DOUBLE POLE SWITCH "OS" INDICATES PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF INBOARD/OUTBOARD SWITCHING  SINGLE POLE SWITCH "DT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS	▼K  V  V  H  V  H  V  V  V  V  V  V  V  V	COMMUNICATION SYSTEMS  TELEPHONE OUTLET FOR DESK TYPE HANDSET K = KEY SYSTEM  TELEPHONE OUTLET FOR WALL TYPE HANDSET (MOUNT UP 4'-6") K = KEY SYSTEM  PAGE/PARTY TELEPHONE OUTLET FOR DESK TYPE HANDSET  PAGE/PARTY TELEPHONE OUTLET FOR WALL TYPE HANDSET, MOUNT UP 4'-6"  PAGING SPEAKER, WALL MOUNTED H = HORN TYPE W = WIDE ANGLE TYPE	F VSS	6'-8" 15 = CANDELA RA  FIRE ALARM MANUA  SPRINKLER VALVE  SPRINKLER FLOW  FIRE ALARM BELL	ATING JAL PULL STAT SUPERVISORY	TION, MOUNT UP 4'-0"  ( SWITCH	GFI GRS HACR HH HT HID HP HZ	GROUND GROUND FAULT INTERRUP GALVANIZED RIGID STEEL HEATING & AIR CONDITION HANDHOLE HEIGHT HIGH INTENSITY DISCHARM HORSEPOWER HERTZ IDENTIFICATION INSTRUMENT
CROSS HATCH SHALL REMAIN  A  A  A  B  A  B  A  B  A  B  A  B  A  B  A  B  A  B  A  B  A  B  B	H INDICATES LIGHTING FIXTURE THAT IS UNSWITCHED AND N ON AT ALL TIMES. NOTATIONS SAME AS ABOVE.  A INDICATES LIGHTING FIXTURE THAT IS EQUIPPED WITH BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  ED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  ED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.	\$2 \$DT \$DT C3 TM	SINGLE POLE SWITCH "OS" INDICATES A PASSIVE INFRARED OCCUPANCY SENSOR  DOUBLE POLE SWITCH "OS" INDICATES PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF INBOARD/OUTBOARD SWITCHING  SINGLE POLE SWITCH "DT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS		TELEPHONE OUTLET FOR DESK TYPE HANDSET  K = KEY SYSTEM  TELEPHONE OUTLET FOR WALL TYPE HANDSET (MOUNT UP 4'-6")  K = KEY SYSTEM  PAGE/PARTY TELEPHONE OUTLET FOR DESK TYPE HANDSET  PAGE/PARTY TELEPHONE OUTLET FOR WALL TYPE HANDSET, MOUNT UP 4'-6"  PAGING SPEAKER, WALL MOUNTED  H = HORN TYPE  W = WIDE ANGLE TYPE	SFS FO	FIRE ALARM MANUS SPRINKLER VALVE SPRINKLER FLOW FIRE ALARM BELL	JAL PULL STAT	/ SWITCH	HACR HH HT HID HP HZ ID	GALVANIZED RIGID STEEL HEATING & AIR CONDITIO HANDHOLE HEIGHT HIGH INTENSITY DISCHARD HORSEPOWER HERTZ IDENTIFICATION INSTRUMENT
CROSS HATCH SHALL REMAIN  A 3 OR  SHADED AREA EMERGENCY B  POLE MOUNTE ABOVE  POLE MOUNTE AS ABOVE  EMERGENCY L "EM" - FIXTUE "3" - SUPEF * - FIXTUE  REMOTE EMER LAMP HEADS "R-2" - F SOCO	A INDICATES LIGHTING FIXTURE THAT IS EQUIPPED WITH BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  ED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  ED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS  JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT  JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  HOME RUN TO BATTERY UNIT INDICATED. CONDUIT  SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH  CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND  CONDUCTOR UNLESS OTHERWISE INDICATED.	\$2 \$DT \$DT C3 TM	"OS" INDICATES A PASSIVE INFRARED OCCUPANCY SENSOR  DOUBLE POLE SWITCH "OS" INDICATES PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF INBOARD/OUTBOARD SWITCHING  SINGLE POLE SWITCH "DT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS		K = KEY SYSTEM  TELEPHONE OUTLET FOR WALL TYPE HANDSET (MOUNT UP 4'-6") K = KEY SYSTEM  PAGE/PARTY TELEPHONE OUTLET FOR DESK TYPE HANDSET  PAGE/PARTY TELEPHONE OUTLET FOR WALL TYPE HANDSET, MOUNT UP 4'-6"  PAGING SPEAKER, WALL MOUNTED H = HORN TYPE W = WIDE ANGLE TYPE	SFS FO	SPRINKLER VALVE  SPRINKLER FLOW  FIRE ALARM BELL	SUPERVISORY	/ SWITCH	HH HT HID HP HZ ID	HANDHOLE HEIGHT HIGH INTENSITY DISCHARD HORSEPOWER HERTZ IDENTIFICATION INSTRUMENT
SHADED AREA EMERGENCY B  A	A INDICATES LIGHTING FIXTURE THAT IS EQUIPPED WITH BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  TED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  TED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS  JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT  JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  HOME RUN TO BATTERY UNIT INDICATED. CONDUIT  SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH  CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND  CONDUCTOR UNLESS OTHERWISE INDICATED.	TYPE A	"OS" INDICATES PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF INBOARD/OUTBOARD SWITCHING  SINGLE POLE SWITCH "DT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS		K = KEY SYSTEM  PAGE/PARTY TELEPHONE OUTLET FOR DESK TYPE HANDSET  PAGE/PARTY TELEPHONE OUTLET FOR WALL TYPE HANDSET, MOUNT UP 4'-6"  PAGING SPEAKER, WALL MOUNTED H = HORN TYPE W = WIDE ANGLE TYPE	SFS FO	SPRINKLER FLOW  FIRE ALARM BELL			HID HP HZ ID INSTR K	HORSEPOWER HERTZ IDENTIFICATION INSTRUMENT
SHADED AREA EMERGENCY B  POLE MOUNTE ABOVE  POLE MOUNTE AS ABOVE  EMERGENCY L "EM" - FIXTUE "3" - SUPEF * - FIXTUE  REMOTE EMER LAMP HEADS "R-2" - F SOCO	BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  ED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  ED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS  JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT  JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  HOME RUN TO BATTERY UNIT INDICATED. CONDUIT  SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH  CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND  CONDUCTOR UNLESS OTHERWISE INDICATED.	TYPE A	SINGLE POLE SWITCH "DT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS		PAGE/PARTY TELEPHONE OUTLET FOR WALL TYPE HANDSET, MOUNT UP 4'-6"  PAGING SPEAKER, WALL MOUNTED H = HORN TYPE W = WIDE ANGLE TYPE	FO	FIRE ALARM BELL	ALARM SWITCH	H	ID INSTR K	IDENTIFICATION INSTRUMENT
POLE MOUNTE ABOVE  POLE MOUNTE ABOVE  POLE MOUNTE AS ABOVE  EMERGENCY L "EM" - FIXTUE "3" - SUPEE * - FIXTUE  REMOTE EMER LAMP HEADS "R-2" - FIXTUE "3" - FIXTUE "4" - FIXTUE "5" - FIXTUE "6" - FIXTUE "6" - FIXTUE "6" - FIXTUE	BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.  ED AREA TYPE LIGHTING FIXTURE, NOTATIONS SAME AS  ED ROADWAY TYPE LIGHTING FIXTURE, NOTATIONS SAME  LIGHTING BATTERY UNIT WITH TWO LAMP HEADS  JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT  JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  HOME RUN TO BATTERY UNIT INDICATED. CONDUIT  SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH  CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND  CONDUCTOR UNLESS OTHERWISE INDICATED.	TYPE A	CAPABLE OF SENSING MOTION AND SOUND  LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED  TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS		UP 4'-6"  PAGING SPEAKER, WALL MOUNTED  H = HORN TYPE  W = WIDE ANGLE TYPE					K	
ABOVE  POLE MOUNTE AS ABOVE  EMERGENCY L "EM" - FIXTUR "3" - SUPER * - FIXTUR  REMOTE EMER LAMP HEADS "R-2" - FIXTUR "3" - FIXTUR  POLE MOUNTE AS ABOVE	LIGHTING BATTERY UNIT WITH TWO LAMP HEADS JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE) ERVISORY CIRCUIT JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.	TYPE A	TIME SWITCH  PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS		H = HORN TYPE W = WIDE ANGLE TYPE		WEATHERPROOF HI			kcmil	1000 CIRCULAR MILS
EMERGENCY L "EM" - FIXTUR "3" - SUPER * - FIXTUR  REMOTE EMER LAMP HEADS "R-2" - FIXTUR  SO OTHER	LIGHTING BATTERY UNIT WITH TWO LAMP HEADS  JRE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  ERVISORY CIRCUIT  JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)  HOME RUN TO BATTERY UNIT INDICATED. CONDUIT  SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH  CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND  CONDUCTOR UNLESS OTHERWISE INDICATED.	TYPE A	PUSH BUTTON STATION  INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS		+		+		TIRE ALARM STROBE LIGHT WITH HORN	KVA KW	KILOVOLT AMPERES KILOWATTS
EMERGENCY L "EM" - FIXTUR "3" - SUPER * - FIXTUR  REMOTE EMER LAMP HEADS "R-2" - FIXTUR  SO OTHER	PRE TYPE (SEE LIGHTING FIXTURE SCHEDULE) ERVISORY CIRCUIT  JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.		INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS		PAGING SPEAKER, WALL MOUNTED, BI-DIRECTIONAL, HORN TYPE	PIR	PASSIVE INFRARED			LTG LP	LIGHTNING ARRESTER LIGHTING LIGHTING PANEL
"EM" - FIXTUR "3" - SUPER * - FIXTUR  REMOTE EMER LAMP HEADS "R-2" - FIXTUR  "R-2" - FIXTUR	PRE TYPE (SEE LIGHTING FIXTURE SCHEDULE) ERVISORY CIRCUIT  JRE TAG #  RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.		OTHERWISE NOTED. SEE LIGHTING FIXTURE SCHEDULE FOR TYPES	<b>S</b>	W = WIDE ANGLE TYPE  PAGING SPEAKER, FLUSH MOUNTED CEILING TYPE	R	SMOKE BEAM DET	ECTOR (RECEIV	IVER)	LV MAX	LOW VOLTAGE MAXIMUM
REMOTE EMER LAMP HEADS "R-2" - F	RGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO  FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.			<u> </u>	PAGING SPEAKER, SURFACE MOUNTED CEILING TYPE	T	SMOKE BEAM DET	ECTOR (TRANS	SMITTER)	MCB MCC	MAIN CIRCUIT BREAKER MOTOR CONTROL CENTE
-2 →BU-1(*)	FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.		LIGHTING PANELBOARD (LP-#) SHOWN ON PLAN PER ACTUAL PANEL DIMENSIONS	[VC]	REMOTE WALL MOUNTED VOLUME CONTROL FOR CEILING SPEAKER,	-	FIRE ALARM SMOK	KE DETECTOR I	REMOTE INDICATOR AND TEST SWITCH	MCP MDP MFR	MOTOR CIRCUIT PROTECT MAIN DISTRIBUTION PAN MANUFACTURER
	SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.		POWER PANELBOARD (PP-#) OR DISTRIBUTION PANELBOARD (DP-#) SHOWN ON PLAN PER ACTUAL PANEL DIMENSIONS	A	MOUNT UP 5'-0"  PAGING SPEAKER AMPLIFIER ASSEMBLY	A	Δ	ABBREVIATIONS  AMPS	MH MIN	MANHOLE MINIMUM	
			LIGHTING CONTACTOR PANELBOARD (LCP-#) SHOWN ON PLAN PER ACTUAL PANEL DIMENSIONS	TM	TELEPHONE CABINET OR BACKBOARD AS NOTED			AC AFF	ALTERNATING CURRENT ABOVE FINISHED FLOOR	MLO MTD MTS	MAIN LUGS ONLY MOUNTED MANUAL TRANSFER SWIT
COMBINATION REPRESENTS I	BATTERY UNIT AND EXIT SIGN. FILLED QUADRANT FACE SIDE OF SIGN.		DUPLEX RECEPTACLE, 20A, 120V, 2P, 3W  * GFCI — GROUND FAULT CIRCUIT INTERRUPTER TYPE	<u>Р</u> С	"C" - CAMERA SYSTEM WORKSTATION DATA OUTLET (CAT6 RJ-45 JACK)			AFG AL	ABOVE FINISHED GRADE ALUMINUM	MV N	MEDIUM VOLTAGE NEUTRAL
CEILING MOUN	NTED EXIT SIGN, NOTATIONS SAME AS ABOVE. WHEN WINDICATES DIRECTION OF EGRESS. FILLED QUADRANT	* 4	* GFCI — GROUND FAULT CIRCUIT INTERROPTER TYPE  WP — WEATHERPROOF WITH WHILE—IN—USE—COVER  XP — EXPLOSION PROOF  T — TRANSIENT VOLTAGE SURGE SUPPRESSOR	GD/VF	"P" - PROCESS COMPUTER SYSTEM (CAT6 RJ-45 JACK)  GAS DETECTOR/VENTILATION FAILURE ALARM,			AMP ATS	AMPERE INTERRUPTING CAPACITY  AMPERE  AUTOMATIC TRANSFER SWITCH	NC NO	NORMALLY CLOSED  NORMALLY OPEN OR NU
	REPRESENTS FACE SIDE OF SIGN. (DOUBLE FACE DOUBLE CHEVRONS		IC — ISOLATED GROUND 4 — CIRCUIT NUMBER	#	# INDICATES TYPE OF UNIT. 1 = MASTER, 2 = REMOTE			AUTO AUX	AUTOMATIC AUXILIARY	NTS OL PB	NOT TO SCALE OVERLOAD PULL BOX
ARROW INDICA	ED EXIT SIGN, NOTATIONS SAME AS ABOVE. WHEN USED, CATES DIRECTION OF EGRESS. FILLED QUADRANT	* 4	DUPLEX RECEPTACLE, 20A, 120V, 2P, 3W MOUNTED ABOVE COUNTER—TOP OR 42" AFF  * NOTATIONS SAME AS ABOVE	(B)	GAS DETECTION/VENTILATION FAILURE WEATHERPROOF DUAL—LITE BEACON MOUNT TOP OF DEVICE UP 6'—8" A.F.F.			AWG BKR	AMERICAN WIRE GAUGE BREAKER BUILDING	PCP PH	PUMP CONTROL PANEL PHASE
REMOTE EMER	REPRESENTS FACE SIDE OF SIGN.  REMOTE EMERGENCY CEILING LIGHTING FIXTURE.	* 3 60 4w	SPECIAL PURPOSE RECEPTACLE  * - VOLT RATING  "3" - NUMBER OF POLES	<u> </u>	GAS DETECTION/VENTILATION FAILURE HORN/STROBE MOUNT TOP OF DEVICE UP 6'-8" A.F.F.			C CB	CONDUIT CIRCUIT BREAKER	PHH PMH	POWER HANDHOLE POWER MANHOLE
$\frac{1-3}{3}$ 3" - 9	FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) SUPERVISORY CIRCUIT HOME RUN TO BATTERY UNIT INDICATED. CONDUIT	60 <b>-</b> 4W	"60" — AMPERE RATING "4W" — 4 WIRES IN ADDITION TO GROUND	G	GAS DETECTION/VENTILATION FAILURE HORN, MOUNT TOP OF DEVICE UP 6'-8" A.F.F.			CGD CKT	COMBUSTIBLE GAS DETECTOR CIRCUIT	PNL PR PRI	PANEL OR PANELBOARD PAIR PRIMARY
	SHALL BE 3/4" AND CONTAIN 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.		MULTI-OUTLET ASSEMBLY, SYMBOL DENOTES RECEPTACLE TYPE	<u></u>	GAS DETECTION/VENTILATION FAILURE STROBE, MOUNT TOP OF DEVICE UP 6'-8" A.F.F.			CHH CP CPT	COMMUNICATIONS HANDHOLE CONTROL PANEL CONTROL POWER TRANSFORMER	PT PVC	POTENTIAL TRANSFORME POLYVINYL CHLORIDE
HOME RUN TO	HOME RUN TO DESIGNATED EQUIPMENT. BRANCH CIRCUIT CONDUIT WITH 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12	<b>© ▶</b> •••	FLUSH FLOOR OUTLET BOX WITH TYPE OUTLET INDICATED		SECURITY SYSTEMS			CR CS	CONTROL RELAY	RECPT REQD	RECEPTACLE REQUIRED
AWG GROUND ARROWS INDIC	CONDUCTOR UNLESS OTHERWISE NOTED. NUMBER OF ICATE NUMBER OF CIRCUITS. FOR MINIMUM SIZE CONDUIT REFER TO THE SPECIFICATIONS.	V V	UNDER FLOOR DUCT SYSTEM WITH TYPE OUTLETS INDICATED	SACP	SECURITY ALARM CONTROL PANEL			CT CU	CURRENT TRANSFORMER COPPER	SA SEC	QUANTITY SURGE ARRESTER SECONDS OR SECONDA
	NCEALED IN WALL, IN SLAB ABOVE, OR ABOVE CEILING.		THREE CELL UNDER FLOOR DUCT SYSTEM JUNCTION BOX	DS	SECURITY ALARM DOOR SWITCH			DC DIA	CONDUIT WALL SEAL DIRECT CURRENT DIAMETER	SH SHH	SHIELDED OR SPACE HI SIGNAL HANDHOLE
CONDUIT CON	NCEALED IN OR BELOW FLOOR OR UNDERGROUND.		JUNCTION BOX	<b>♦</b>	MASTER CONTROL STATION — VIDEO/INTERCOM/ACCESS CONTROL FOR GATE AND ELECTRIFIED DOORS			DMU DN	DIGITAL METERING UNIT DOWN	SPD SS	SURGE PROTECTIVE DEN STAINLESS STEEL SOLENOID VALVE
CONDUIT RUN STRUCTURE O	N EXPOSED. RUN PARALLEL OR PERPENDICULAR TO	 	PULL BOX	♦	VIDEO/INTERCOM/CARD READER			EC ELEC	EMPTY CONDUIT ELECTRICAL	SW SWBD	SWITCH SWITCHBOARD
·	ES EXPLOSION PROOF CONDUIT SEAL FITTING.	TC	TERMINAL CABINET	WS	SECURITY ALARM WINDOW SWITCH			EM ENCL	ELEVATION EMERGENCY ENCLOSURE OR ENCLOSED	SWGR TC	SWITCHGEAR TIME TO CLOSE OR TRA
	NCASED DUCTBANK. WIDTH VARIES, SEE DUCTBANK TAILS FOR REQUIREMENTS AND WIDTH		OCCUPANCY SENSOR	<b>(</b>	SECURITY ALARM MOTION DETECTOR		A SHEET DETAIL	NO. WHERE		TEL TO	TELEPHONE TIME TO OPEN TWISTED SHIELDED OR
<u> </u>	JBBED OUT AND CAPPED	<u> </u>	PHOTOCELL	CCTV	CLOSED CIRCUIT TV CAMERA	SYMBOL W	WHERE THERE IS	IS DRAWN  A DETAIL		TTC	SWITCH TELEPHONE TERMINAL C
	QUANTITY OF TWO (2) 3-INCH CONDUITS EACH	ESA	EMERGENCY EYEWASH/SHOWER ALARM STATION WITH FLOW	PTZ	PAN, TILT, ZOOM CAMERA LENS CONTROLS	DETAIL		· · · · · · · · · · · · · · · · · · ·		TYP UG	TYPICAL UNDERGROUND
(2) 3"C., CONTAINING THE GROUND CONE	THREE NO. 3/0 AWG CONDUCTORS AND 1 NO. 2 AWG NDUCTOR.	[ESA]	SWITCH(ES)	GB	GLASS BREAK DETECTOR	$\frac{1}{4}$ " = 1'-		SHEET NO WHERE TH IS A DETA	HERE	UON UPS	UNLESS OTHERWISE NO UNINTERRUPTIBLE POWE VOLTS
CONSIST OF T	DENOTES A QUANTITY OF TWO INSTRUMENT CABLES. EACH CABLE TO CONSIST OF TWO NO. 16 AWG CONDUCTORS TWISTED TOGETHER AND COVERED WITH A METALLIC SHIELD AND AN OVERALL PROTECTIVE	/////	//// INDICATED EQUIPMENT AND MATERIALS TO BE DEMOLISHED		FIRE ALARM SYSTEMS	SYMBOL W	HERE DETAIL IS			VA VFD	VOLT AMPS  VARIABLE FREQUENCY [
	ER TO THE SPECIFICATIONS FOR THE EXACT CABLE TO	DUST	INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF NEMA 12 CONSTRUCTION (OR GASKETED AND SUITABLE FOR USE IN A WET LOCATION WHERE NEMA STANDARDS DO	H) <sub>R</sub> 200	FIRE ALARM HEAT DETECTOR 135 FIXED TEMPERATURE UNLESS OTHERWISE NOTED.	DETAI	L SYMBOL		GENERAL NOTE  THIS IS A STANDARD LEGEND.  SOME SYMBOLS MAY NOT	W WP	WATTS, WIDTH, WITH, WI WEATHERPROOF
CONDUCTORS CU	AME AS ABOVE EXCEPT CABLE TO CONSIST OF THREE NO. 16 AWG CONDUCTORS TWISTED, SHIELDED AND COVERED WITH AN OVERALL		NOT APPLY) UNLESS OTHERWISE NOTED.  INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS	R	"200" - 200 FIXED TEMPERATURE "R" - FIXED TEMPERATURE RATE-OF-RISE TYPE	•			APPEAR ON THE DRAWINGS.	XP XFMR	EXPLOSION PROOF TRANSFORMER
PROTECTIVE JA CABLE TO BE	JACKET. REFER TO THE SPECIFICATIONS FOR THE EXACT E PROVIDED.	DAMP OR	INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION  APPEARS SHALL BE OF NEMA 4X CONSTRUCTION (OR GASKETED AND SUITABLE FOR USE IN A WET LOCATION WHERE NEMA STANDARDS DO	(2) <sup>1</sup>	FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE UNLESS OTHERWISE NOTED. "I" — IONIZATION TYPE.		E-4	SHEET NO. WHERE SE IS DRAWN	ECTION		
(3) 4"C. THREE 4-INC	CH CONDUITS	WET	NOT APPLY) UNLESS OTHERWISE NOTED.	② D	FIRE ALARM DUCT SMOKE DETECTOR	SYMBOL \	WHERE THERE IS	A SECTION			
FLEXIBLE MET OTHERWISE N	TAL CONDUIT "WHIP" (3/4"C., 2#12, 1#12G UNLESS NOTED) FOR LIQUID TIGHT MOTOR CONNECTIONS	CORROSIVE	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF NEMA 4X CONSTRUCTION (OR CORROSION BESISTANT CONSTRUCTION SHITARLE FOR USE IN A WELL CONT	FACP	FIRE ALARM CONTROL PANEL	SECTIO	ON 1				
'X' INDICATES LOCATIONS.	S CONDUIT SEAL FITTING IN OTHER THAN CODE REQUIRED	,	RESISTANT CONSTRUCTION SUITABLE FOR USE IN A WET LOCATION WHERE NEMA STANDARDS DO NOT APPLY) UNLESS OTHERWISE NOTED.	FV	FIRE ALARM VENTILATION PANEL WITH GRAPHIC PANEL	$\frac{32311}{1/4"} = 1'-$		SHEET NO WHERE SI	O. SECTION		
	JIOR STARTER AND/OR MOTOR CONTROL EQUIPMENT	CLASS I, DIV. 1 GROUP D	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL CONFORM TO N.E.C. REQUIREMENTS FOR THE	FA	REMOTE FIRE ALARM ANNUNCIATOR PANEL		WHERE SECTION				
WITHIN THE E	LITOLOGOTALI		HAZARDOUS AREA CLASSIFICATION SHOWN.			SECTIO	N SYMBOL	:			

PLANT

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ISSUED FOR BID

- 2. THE WORK SHALL INCLUDE FURNISHING, INSTALLING AND TESTING THE EQUIPMENT AND MATERIALS SPECIFIED IN OTHER SECTIONS OF THE DIVISION 26 SPECIFICATIONS AND SHOWN ON THE DRAWINGS.
- 3. CONDUIT, WIRE AND FIELD CONNECTIONS FOR ALL MOTORS, MOTOR CONTROLLERS, CONTROL DEVICES, CONTROL PANELS AND ELECTRICAL EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS.
- 4. CONDUIT, WIRING AND TERMINATIONS FOR ALL FIELD\_MOUNTED INSTRUMENTS FURNISHED UNDER OTHER DIVISIONS, INCLUDING PROCESS INSTRUMENTATION PRIMARY ELEMENTS, TRANSMITTERS, LOCAL INDICATORS AND CONTROL PANELS. LIGHTNING AND SURGE PROTECTION EQUIPMENT WIRING AT PROCESS INSTRUMENTATION TRANSMITTERS. INSTALL VENDOR FURNISHED CABLES SPECIFIED UNDER OTHER DIVISIONS.
- 5. POWER WIRING FOR ALL HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, INCLUDING POWER WIRING FOR 120V UNIT HEATER MOTORS, THERMOSTATS, FAN MOTORS, DAMPERS AND OTHER HVAC INLINE UNIT WIRING SHOWN ON THE DRAWINGS.
- 6. A COMPLETE RACEWAY SYSTEM FOR THE DATA HIGHWAY CABLES AND SPECIALTY CABLE SYSTEMS. INSTALL THE DATA HIGHWAY (FIBER OPTIC, ETHERNET, ETC.) CABLES AND OTHER SPECIALTY CABLE SYSTEMS FURNISHED UNDER DIVISION 40 IN ACCORDANCE WITH THE SYSTEM MANUFACTURERS' INSTALLATION INSTRUCTIONS. REVIEW THE RACEWAY LAYOUT, PRIOR TO INSTALLATION, WITH THE SCADA/COMPUTER INSTRUMENTATION SYSTEM SUPPLIER (ISS) AND THE CABLE MANUFACTURER TO ENSURE RACEWAY COMPATIBILITY WITH THE SYSTEMS AND MATERIALS BEING FURNISHED. WHERE REDUNDANT CABLES ARE FURNISHED, INSTALL CABLES IN SEPARATE RACEWAYS.
- 7. IT IS THE INTENT OF THE DRAWINGS AND DIVISION 26 SPECIFICATIONS THAT THE ELECTRICAL SYSTEM SHALL BE SUITABLE IN EVERY WAY FOR THE SERVICE REQUIRED. ALL MATERIAL AND ALL WORK WHICH MAY BE REASONABLY IMPLIED AS BEING INCIDENTAL TO THE WORK OF THE DIVISION 26 SPECIFICATIONS SHALL BE FURNISHED AT NO EXTRA COST.
- 8. PROVIDE ELECTRICAL AND INSTRUMENTATION CONDUIT LAYOUT SHOP DRAWINGS FOR YARD ELECTRICAL, WITHIN AND UNDER ALL ROADS, BUILDINGS AND STRUCTURES TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK. LAYOUTS SHALL INCLUDE BUT NOT BE LIMITED TO EQUIPMENT, PULL BOXES, MANHOLES, CONDUIT ROUTING, DIMENSIONING, METHODS AND LOCATIONS OF SUPPORTS, REINFORCING, ENCASEMENT, MATERIALS, CONDUIT SIZING, EQUIPMENT ACCESS, POTENTIAL CONFLICTS, BUILDING AND YARD LIGHTING, AND ALL OTHER PERTINENT TECHNICAL SPECIFICATIONS FOR ALL ELECTRICAL AND INSTRUMENTATION CONDUITS AND EQUIPMENT TO BE FURNISHED. THE LAYOUTS SHALL BE BASED ON APPROVED MANUFACTURERS' EQUIPMENT SHOP DRAWINGS. ALL LAYOUTS SHALL BE DRAWN TO SCALE ON 24" X 36" SHEETS.
- 9. IN ADDITION TO MANUFACTURER'S EQUIPMENT SHOP DRAWINGS, SUBMIT ELECTRICAL INSTALLATION WORKING DRAWINGS CONTAINING THE FOLLOWING:
- a.CONDUIT LAYOUTS, SHOWN ON FLOOR PLANS DRAWN AT NOT LESS THAN 1/4" = 1' 0" SCALE. THE LAYOUTS SHALL INCLUDE LOCATIONS OF PROCESS EQUIPMENT, MOTOR CONTROL CENTERS, SWITCHBOARDS, TRANSFORMERS, PANELBOARDS, CONTROL PANELS AND EQUIPMENT, MOTORS, SWITCHES, MOTOR STARTERS, LARGE JUNCTION OR PULL BOXES, INSTRUMENTS AND ANY OTHER ELECTRICAL DEVICES CONNECTED TO CONDUITS. THE LAYOUTS SHALL BE BASED ON APPROVED MANUFACTURERS EQUIPMENT SHOP DRAWINGS.
- b.PLANS SHALL BE DRAWN ON HIGH QUALITY REPRODUCIBLE PAPER AND SHALL BE PRESENTED IN A NEAT, PROFESSIONAL MANNER. IN ADDITION TO THE HARD COPIES, LAYOUT DRAWINGS SHALL BE SUBMITTED IN PDF FORMAT.
- c.CONCRETE FLOORS AND/OR WALLS CONTAINING CONCEALED CONDUITS SHALL NOT BE POURED UNTIL CONDUIT LAYOUTS ARE APPROVED.
- 10. THE WORK SHALL INCLUDE COMPLETE TESTING OF ALL EQUIPMENT AND WIRING AT THE COMPLETION OF WORK AND MAKING ANY MINOR CORRECTION CHANGES OR ADJUSTMENTS NECESSARY FOR THE PROPER FUNCTIONING OF THE ENTIRE SYSTEM AND ALL EQUIPMENT. ALL WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY; SUBSTANDARD WORK WILL BE REJECTED
- 11. A SINGLE MANUFACTURER SHALL PROVIDE SWITCHBOARDS, MOTOR STARTERS, TRANSFORMERS, DISCONNECT SWITCHES, PANELBOARDS, ETC.
- 12. CONTRACTOR SHALL PROVIDE THEIR OWN TEMPORARY POWER FOR MISCELLANEOUS POWER (DRILLS, PUMPS, ETC.). NO FACILITY CIRCUITS SHALL BE USED UNLESS APPROVED IN WRITING BY THE ENGINEER. ANY TEMPORARY ADDED SHALL BE REMOVED AT JOB COMPLETION.
- 13. COMPLETE COORDINATION WITH OTHER CONTRACTORS. CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS EQUIPMENT SUBMITTALS AND OBTAIN ALL RELEVANT SUBMITTALS.
- 14. MOUNT TRANSMITTERS, CONTROL PANELS, PROCESS INSTRUMENTS, OPERATORS STATIONS, ETC. FURNISHED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS.

# **GENERAL NOTES:**

- 1. ELECTRICAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL LAYOUT OF WORK TO BE INSTALLED UNDER THIS CONTRACT WITHOUT ATTEMPTING TO SHOW ALL DETAILS. FURNISH LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM AS SHOWN ON THE CONTRACT DOCUMENTS.
- COORDINATE WORK WITH OTHER TRADES AND THE OWNER.
- CONTRACTOR'S WORK SHALL INCLUDE COMPLETE TESTING OF EQUIPMENT AND WIRING INCLUDING MAKING MINOR CORRECTIONS, CHANGES, OR ADJUSTMENTS NECESSARY FOR THE PROPER FUNCTIONING OF THE SYSTEM AND EQUIPMENT. WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY; SUBSTANDARD WORK WILL BE REJECTED
- 4. DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO MECHANICAL. STRUCTURAL DRAWINGS. AND APPROVED MANUFACTURER'S SHOP DRAWINGS FOR EXACT LOCATION OF EQUIPMENT. EXCEPT WHERE DIMENSIONS ARE SHOWN, LOCATIONS OF EQUIPMENT, FIXTURES, OUTLETS. AND SIMILAR DEVICES ARE APPROXIMATE.
- 5. WORK SHALL COMPLY WITH NEC AND LOCAL CODES.
- 6. DO NOT SPLICE CONDUCTORS EXCEPT AS NOTED.
- 7. POWER AND CONTROL CONDUITS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR WIRE SIZED PER TABLE 250.122 OF THE NEC (UON).
- 8. CONCEAL CONDUITS TO GREATEST EXTENT PRACTICABLE.
- 9. WHERE LOCAL DISCONNECTS AND CONTROL PANELS ARE SHOWN ON PLAN VIEWS, LOCATIONS ARE APPROXIMATE. ADJUST LOCATION AS REQUIRED TO COMPLY WITH NEC ARTICLE 110 FOR WORKING CLEARANCES.
- 10. DO NOT INSTALL MAJOR CONDUIT RUNS THROUGH AREAS DESIGNATED FOR FUTURE STRUCTURES.

## **SUBMITTALS:**

- 1. SUBMIT SHOP DRAWINGS FOR EQUIPMENT, MATERIALS AND OTHER ITEMS FURNISHED UNDER DIVISION 26.
- 2. SUBMIT CONDUIT SHOP DRAWINGS FOR YARD ELECTRICAL, WITHIN AND UNDER ROADS, BUILDINGS AND STRUCTURES PRIOR TO COMMENCING WORK. DO NOT POUR CONCRETE UNTIL ENGINEER HAS APPROVED THE ASSOCIATED SHOP DRAWING.
- 3. SUBMIT OPERATION AND MAINTENANCE MANUALS FOR EQUIPMENT FURNISHED UNDER DIVISION 26.
- 4. SUBMIT STARTUP/COMMISSIONING PLANS FOR EQUIPMENT FURNISHED UNDER DIVISION 26.
- 5. SUBMIT TESTING AND SERVICE REPORTS FOR EQUIPMENT AND MATERIALS FURNISHED UNDER DIVISION 26
- 6. SUBMIT TRAINING PLANS FOR EQUIPMENT FURNISHED UNDER DIVISION 26.
- 7. SUBMIT RECORD DOCUMENTATION TO ACCURATELY SHOW COMPLETED INSTALLATION. INCLUDE MODIFICATIONS TO CONTRACT DOCUMENTS (ONE LINE POWER DIAGRAMS, EQUIPMENT ELEVATIONS, PANEL SCHEDULES, ELEMENTARY CONTROL DIAGRAMS, RISER DIAGRAMS, PLANS, CONDUIT AND DUCTBANK ROUTING, ETC) ALONG WITH ADDITIONAL DRAWINGS OR SKETCHES CREATED TO CONVEY COMPLETED INSTALLATION.

### **CLEANING:**

- 1. REMOVE ALL RUBBISH AND DEBRIS FROM INSIDE AND AROUND ELECTRICAL EQUIPMENT AND ENCLOSURES.
- 2. REMOVE DIRT, DUST OR CONCRETE SPATTER FROM INTERIOR AND EXTERIOR OF EQUIPMENT USING BRUSHES, VACUUM CLEANER OR CLEAN LINT-FREE RAGS. DO NOT USE COMPRESSED AIR.

## DELEGATED DESIGN / PROFESSIONAL ENGINEERING SERVICES:

- 1. WHEN ENGINEERING SERVICES ARE SPECIFIED TO BE PROVIDED BY CONTRACTOR, CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO PERFORM THE SERVICES. ENGINEER SHALL BE LICENSED AT THE TIME SERVICES ARE PERFORMED AND LICENSED IN THE STATE IN WHICH PROJECT IS LOCATED. IF THE STATE ISSUES DISCIPLINE SPECIFIC LICENSES, ENGINEER SHALL BE LICENSED IN THE APPLICABLE DISCIPLINE. ENGINEER SHALL BE EXPERIENCED IN THE TYPE OF WORK BEING PERFORMED.
- 2. ENGINEERING WORK SHALL BE DONE ACCORDING TO THE APPLICABLE REGULATIONS FOR PROFESSIONAL ENGINEERS TO INCLUDE SIGNING, SEALING AND DATING DOCUMENTS.

## NEC CLASSIFIED HAZARDOUS AREAS:

- 1. THIS PROJECT INCLUDES NEC CLASSIFIED HAZARDOUS AREAS. THE FOLLOWING NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD APPLY:
- NFPA 820 STANDARD FOR FIRE PROTECTION IN WASTEWATER TREATMENT AND COLLECTION FACILITIES.
- 2. EQUIPMENT, MATERIALS, AND INSTALLATION SHALL COMPLY WITH NEC ARTICLES 500, 501, 502, AND 503.

### CONTROL STATIONS AND INDICATORS:

- 1. CONTROL STATIONS SHALL BE HEAVY-DUTY TYPE, WITH FULL SIZE (30.5mm) NEMA 4X OR 7 OPERATORS, INDICATORS, ETC.
- 2. INDICATORS SHALL BE FULL VOLTAGE AND PUSH-TO-TEST TYPE. INDICATORS LOCATED INDOORS SHALL BE LED AND INDICATORS LOCATED OUTDOORS SHALL BE INCANDESCENT LAMP TYPE.
- 3. NEMA 4X ENCLOSURES SHALL BE STAINLESS STEEL.
- 4. NEMA 7 ENCLOSURE SHALL BE CAST ALUMINUM.
- 5. CONTROL STATIONS SHALL BE SQUARE D COMPANY CLASS 9001 OR SIMILAR BY EATON OR GENERAL ELECTRIC.

# <u>DEMOLITION AND DISPOSITION OF EQUIPMENT:</u>

- 1. DRAWING PLANS SHOWING REMOVAL OF MAJOR MECHANICAL AND ELECTRICAL EQUIPMENT IS NOT INTENDED TO SHOW ALL COMPONENTS TO BE DEMOLISHED. NOT ALL PIPING, CONDUITS, DUCTS, EQUIPMENT, ANCILLARY DEVICES, ETC. ARE SHOWN. THE CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- 2. UNLESS OTHERWISE SPECIFICALLY NOTED, REMOVE UNUSED EXPOSED CONDUIT AND SUPPORT SYSTEMS BACK TO SOURCE AND/OR POINT OF CONCEALMENT INCLUDING ABOVE ACCESSIBLE CEILING FINISHES. WIRING SHALL BE REMOVED.
- 3. CUT FLUSH WITH SLAB, CEILING, OR WALL ABANDONED CONCEALED CONDUIT. SUITABLY PLUG CONDUITS.
- 4. REPAIR AND RESTORE ADJACENT CONSTRUCTION AND FINISHES AFTER DEMOLITION IS COMPLETE.
- 5. MATERIAL AND EQUIPMENT INDICATED FOR REMOVAL OR DEMOLITION IS TO BECOME CONTRACTOR'S PROPERTY UPON REMOVAL, UNLESS NOTED OTHERWISE. REMOVED MATERIAL TO BE PROPERLY HANDLED AND DISPOSED.

### INTERPRETATION OF CONTRACT DOCUMENTS:

- 1. IF DURING PERFORMANCE OF WORK, THERE IS A CONFLICT, ERROR, OR DISCREPANCY BETWEEN OR AMONG CONTRACT DOCUMENTS AND LAWS AND REGULATIONS, PROVIDE THE HIGHER PERFORMANCE STANDARD UNLESS OTHERWISE DIRECTED BY ENGINEER.
- 2. PRIORITY OF DOCUMENTS: FIGURED DIMENSIONS GOVERN OVER SCALED DIMENSIONS, DETAILED DRAWINGS GOVERN OVER GENERAL DRAWINGS, LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS, CHANGE ORDER DRAWINGS SUPERCEDE ORIGINAL CONTRACT DRAWINGS, AND CONTRACT DRAWINGS GOVERN SHOP DRAWINGS.
- 3. IN GENERAL, DRAWINGS DO NOT SHOW CONDUIT ROUTING. PLAN AND ROUTE CONDUITS IN COMPLIANCE WITH SPECIFICATIONS AND DRAWING DETAILS. COORDINATE INSTALLATION WITH OTHER TRADES AND ACTUAL SUPPLIED EQUIPMENT.
- 4. DUCTBANK ROUTING SHOWN ON ELECTRICAL SITE PLANS IS DIAGRAMMATIC IN NATURE AND MAY NOT INCLUDE INTERFERENCES THAT MAY BE PRESENT.
- 5. SEE ADDITIONAL NOTES ON ELECTRICAL LEGEND II SHEET.

#### **ENCLOSURE TYPES:**

PROVIDE THE FOLLOWING NEMA TYPE ELECTRICAL ENCLOSURES, UNLESS OTHERWISE NOTED:

- 1. NEMA 1 IN DRY, NON-PROCESS INDOOR LOCATIONS.
- 2. NEMA 12 IN "DUST" LOCATIONS SHOWN ON THE DRAWINGS.
- 3. NEMA 4X STAINLESS STEEL IN OUTDOOR LOCATIONS, ROOMS BELOW GRADE INCLUDING BASEMENTS AND BURIED VAULTS AND "DAMP" OR "WET" LOCATIONS SHOWN ON THE DRAWINGS.
- 4. NEMA 4X STAINLESS STEEL IN "CORROSIVE" LOCATIONS SHOWN ON THE DRAWINGS.
- 5. NEMA 7 AND LISTED FOR THE SPECIFIC NEC HAZARDOUS AREA CLASSIFICATION AS SHOWN ON THE DRAWINGS.

## MATERIALS AND EQUIPMENT:

- 1. PROVIDE NEW MATERIALS AND EQUIPMENT UNLESS SPECIFICALLY NOTED OTHERWISE.
- 2. ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE LISTED BY UNDERWRITER'S LABORATORIES, INC., AND SHALL BEAR APPROPRIATE UL LISTING MARK OR CLASSIFICATION MARKING. EQUIPMENT, MATERIALS, ETC. UTILIZED NOT BEARING A UL CERTIFICATION SHALL BE FIELD OR FACTORY UL CERTIFIED PRIOR TO EQUIPMENT ACCEPTANCE AND USE.
- 3. PROVIDE MAJOR ELECTRICAL EQUIPMENT BY A SINGLE MANUFACTURER: I.E. UNIT SUBSTATIONS, SWITCHGEAR, MOTOR CONTROL CENTERS, DISCONNECT SWITCHES, TRANSFORMERS, PANELBOARDS, ETC.

# **EQUIPMENT SIZE, HANDLING AND STORAGE:**

- 1. COORDINATE WITH EQUIPMENT MANUFACTURER SHIPPING SPLITS TO PERMIT SAFE HANDLING AND PASSAGE OF EQUIPMENT TO FINAL INSTALLATION LOCATION.
- 2. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR UPRIGHT EQUIPMENT ORIENTATION DURING TRANSPORTATION.
- 3. PROTECT EQUIPMENT FROM MECHANICAL INJURY, OR EXPOSURE TO MOISTURE, CHEMICALS, OR CORROSIVE GASES. DO NOT STORE ELECTRICAL EQUIPMENT OUTDOORS.
- 4. PROVIDE AND ENERGIZE TEMPORARY SPACE HEATERS IF REQUIRED TO CONTROL MOISTURE DURING STORAGE.

## **CUTTING AND PATCHING:**

- 1. CUT AND PATCH IN A WORKMANLIKE MANNER AS REQUIRED TO INSTALL ELECTRICAL WORK.
- 2. CUTTING OF STRUCTURAL MEMBERS SUCH AS JOISTS, BEAMS, GIRDERS OR COLUMNS IS PROHIBITED
- 3. PATCH SURFACES TO RESTORE TO ORIGINAL INTEGRITY (WATERPROOF OR FIREPROOF AS REQUIRED) AND APPEARANCE.

R. RUCK S. PERRY A. SRIRAN S. PERRY DATE | DRWN | CHKD REMARKS SEPTEMBER 2025

4651 Salsbury Road, Suite 420 Jacksonville, FL 32256 Tel: (904) 731-7109 GA COA No. PEF000106: EXP. DATE 06/30/2024

VALDOSTA

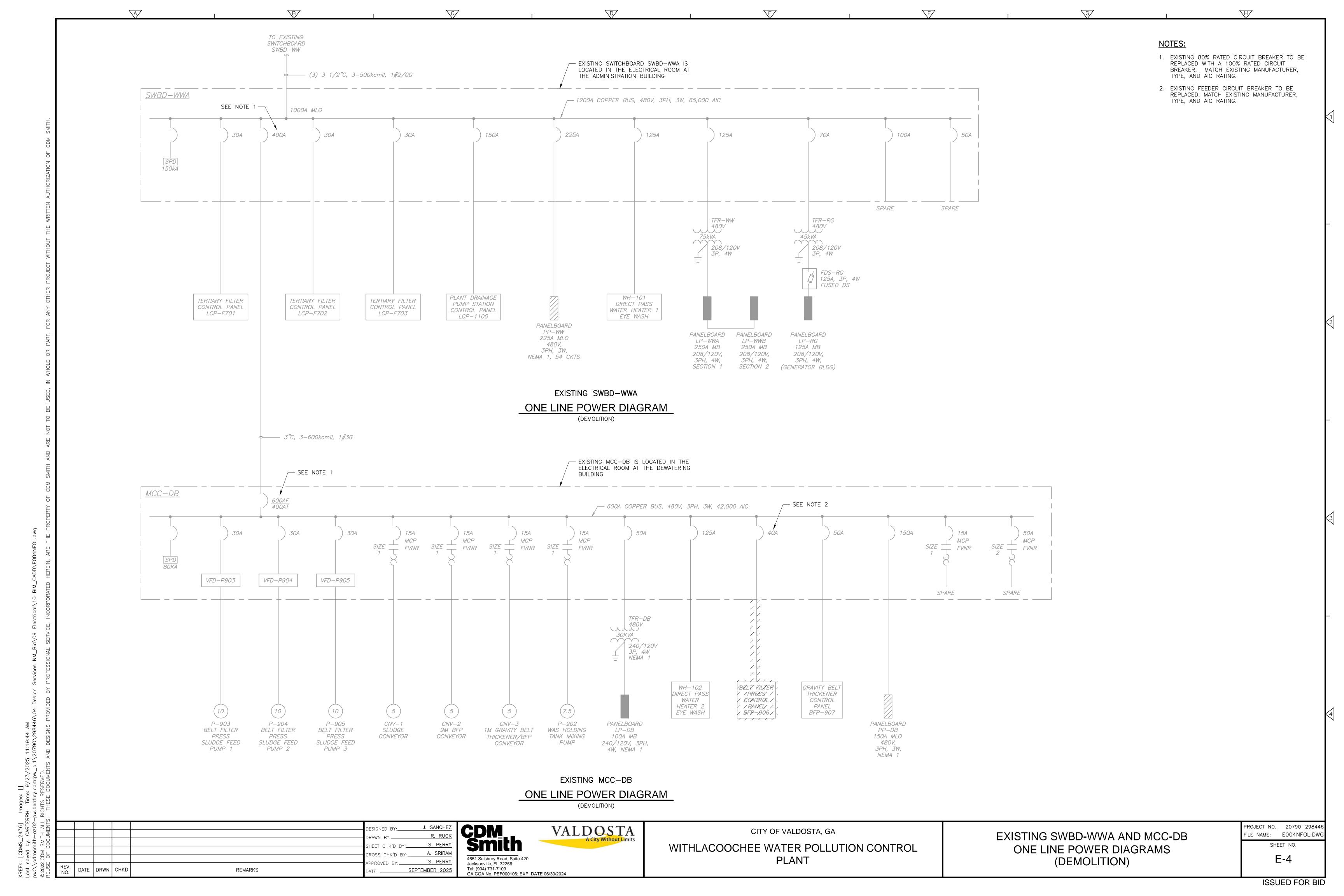
CITY OF VALDOSTA, GA

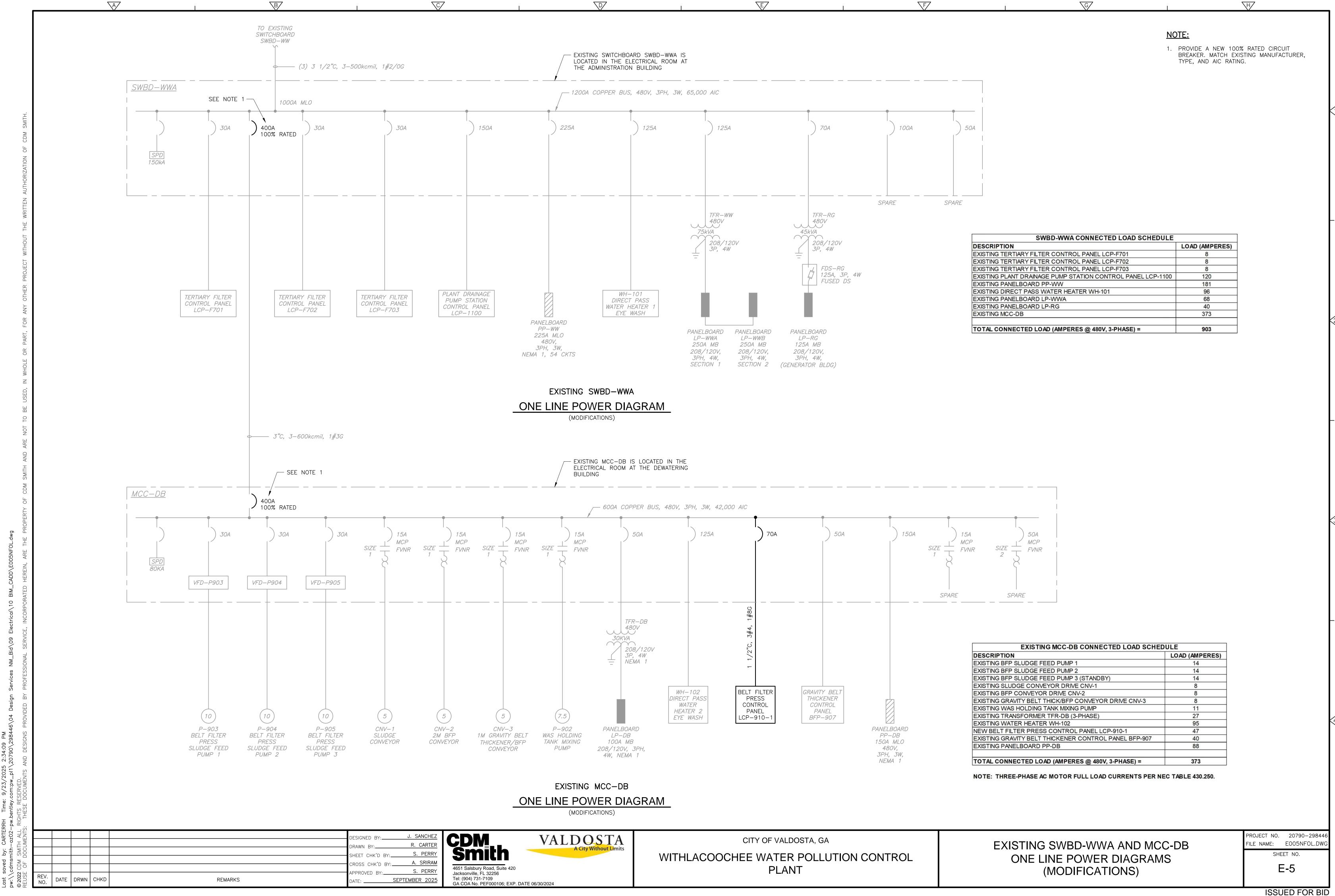
WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

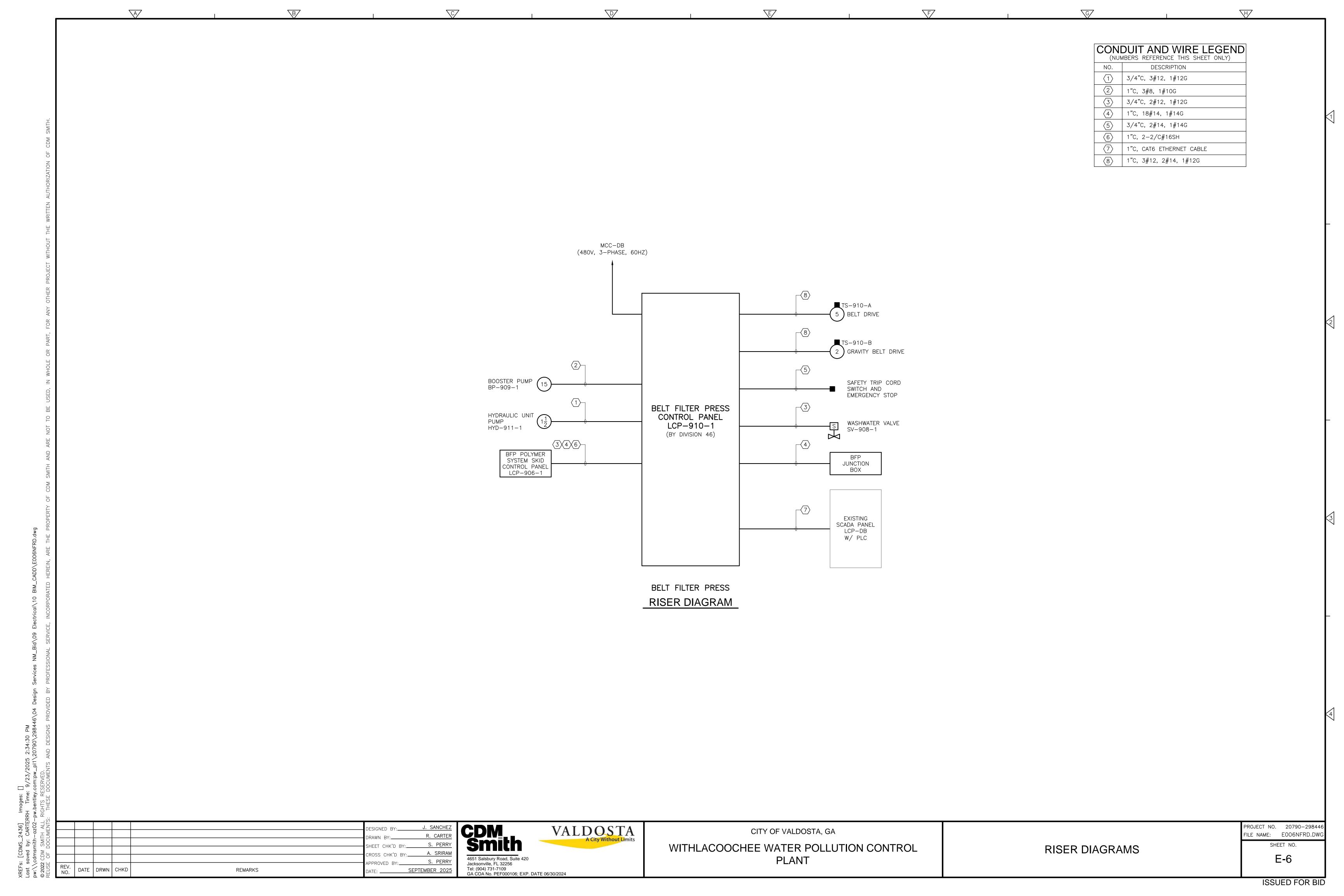
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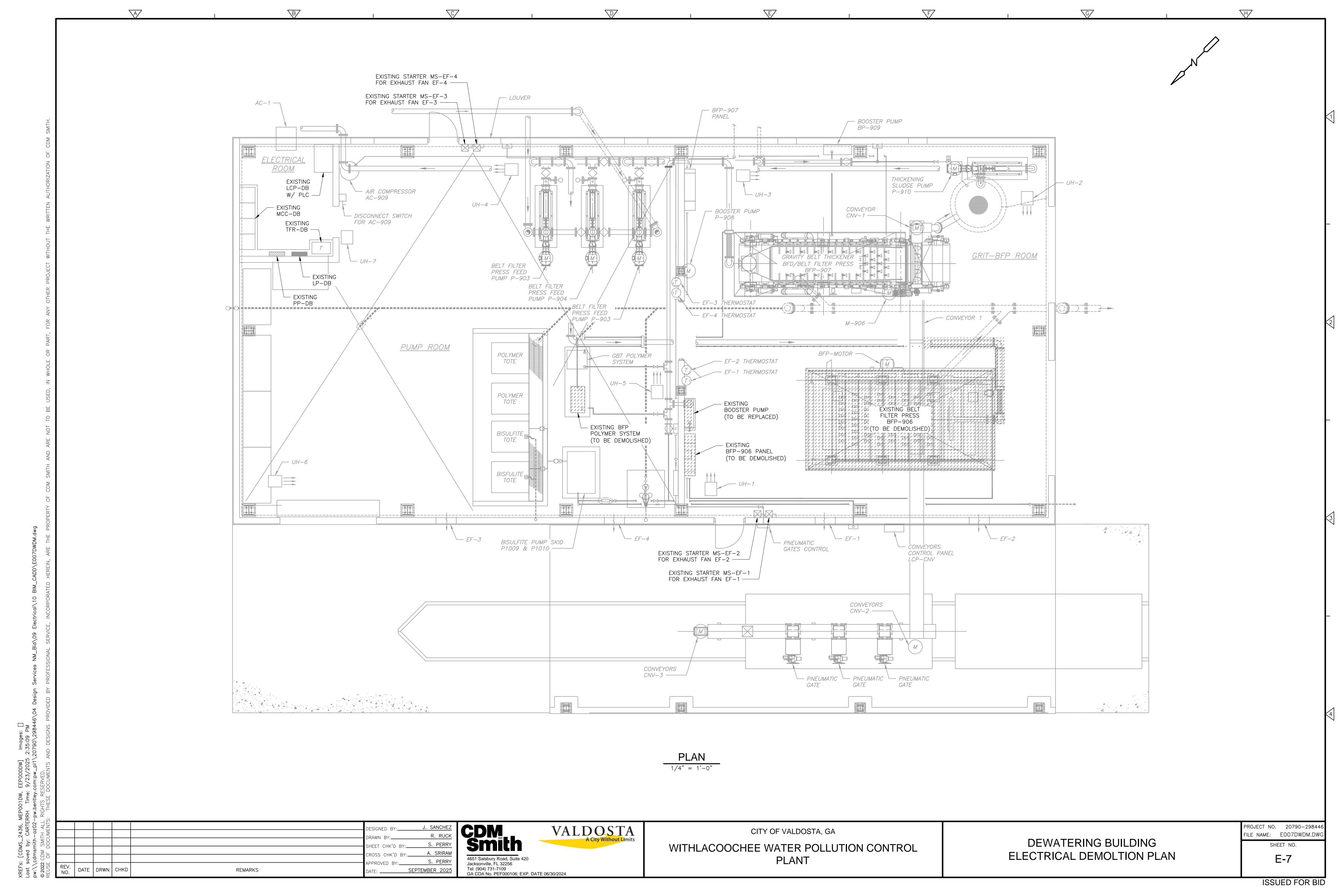
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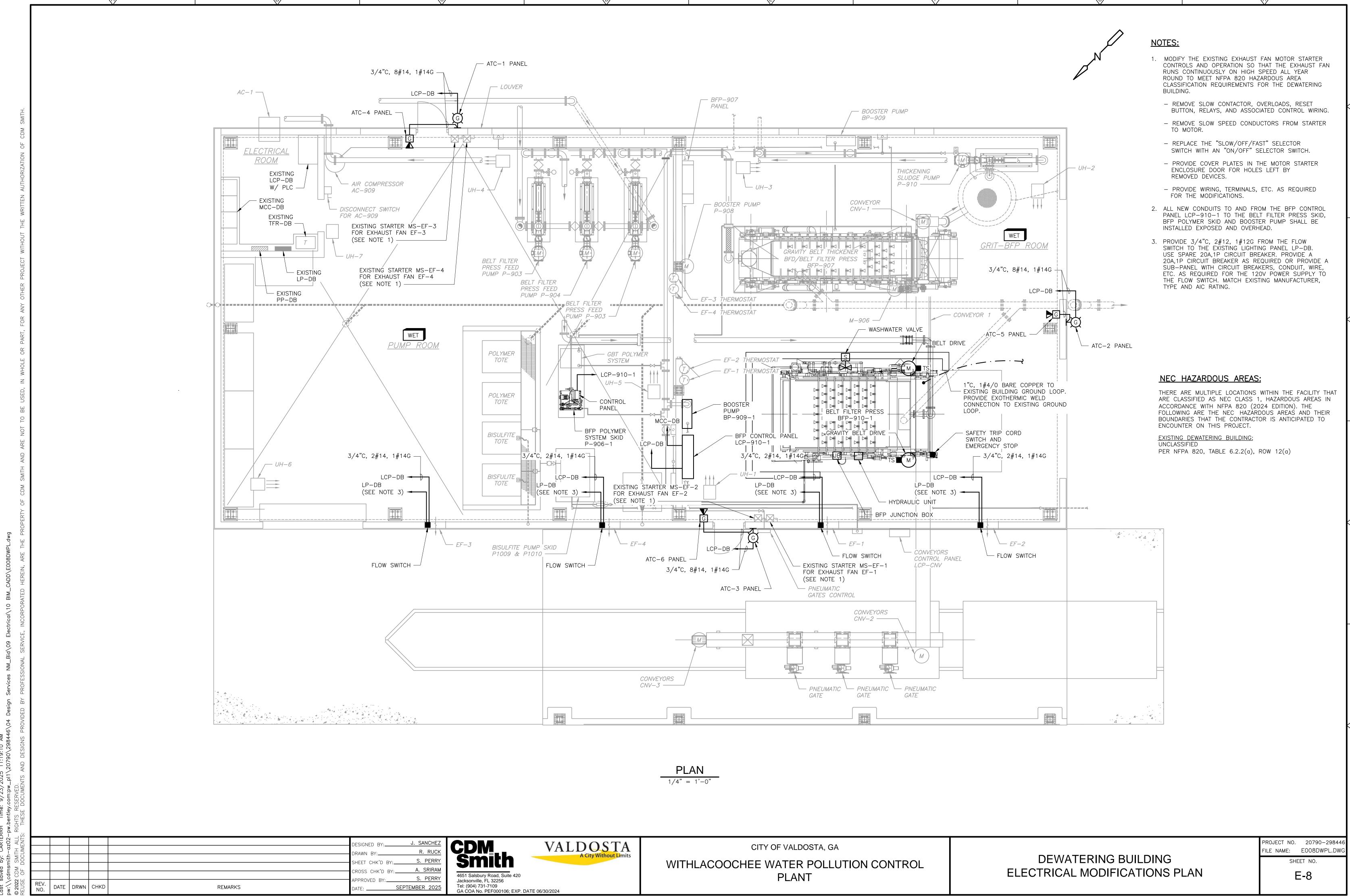
E-3

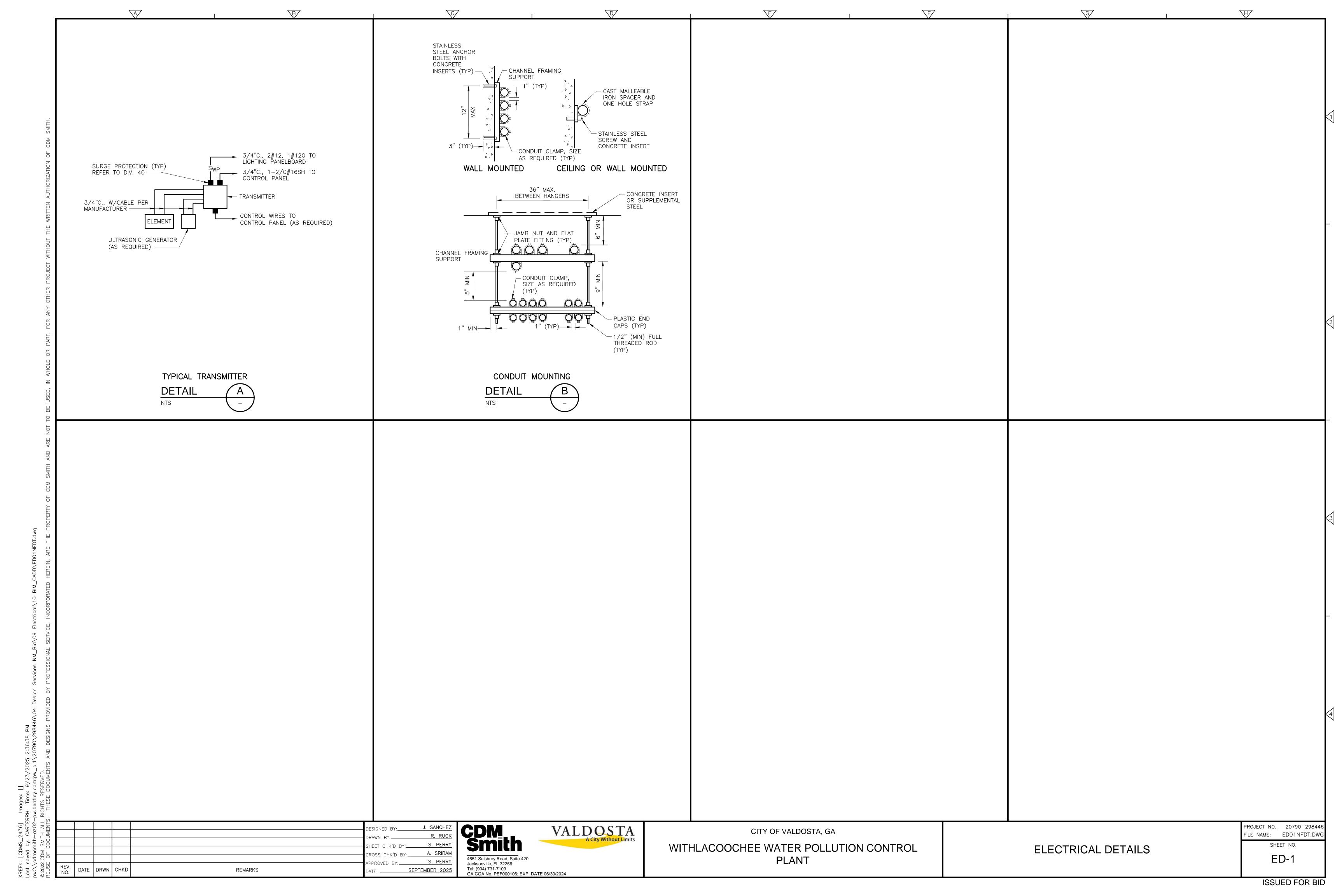


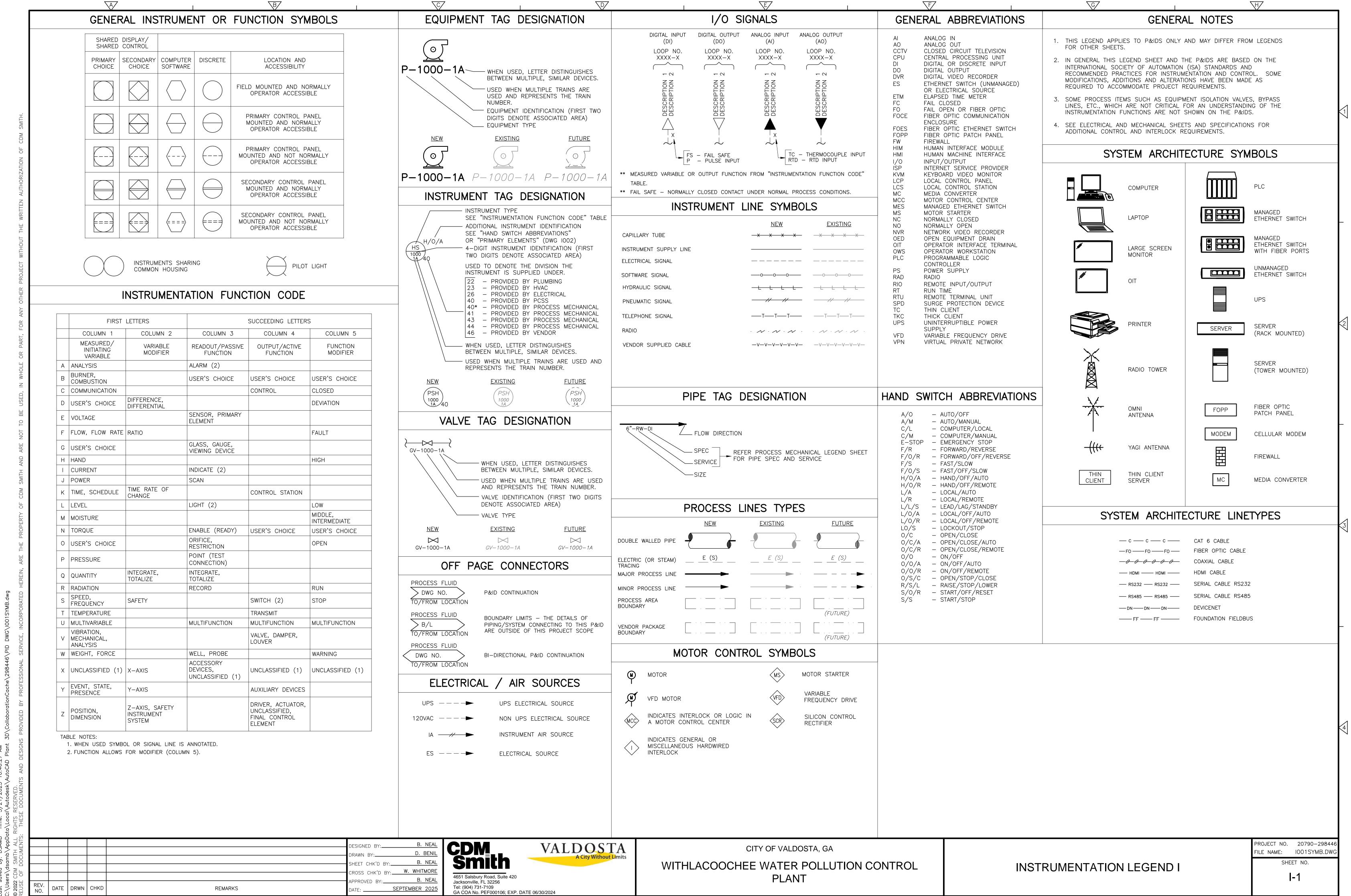




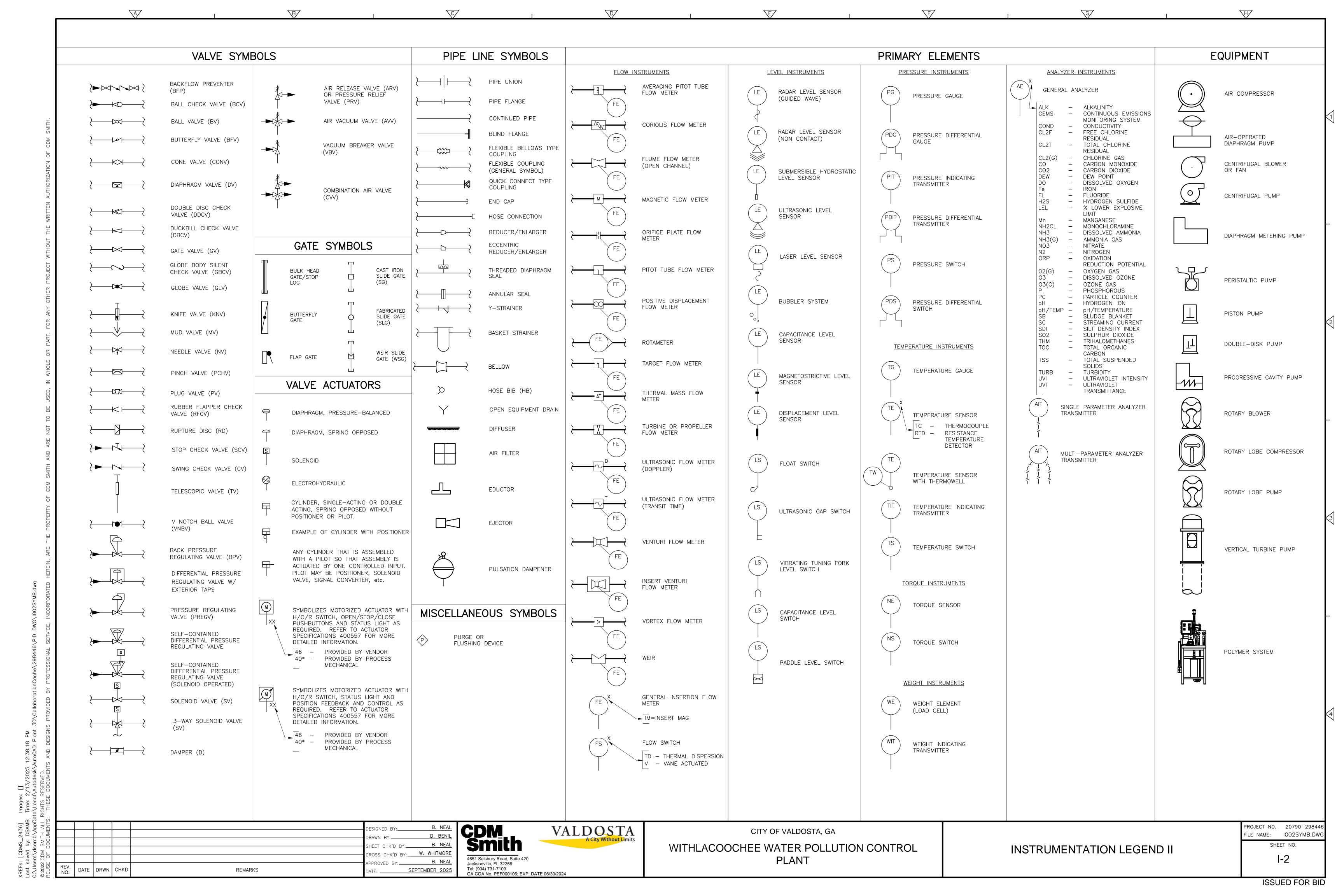


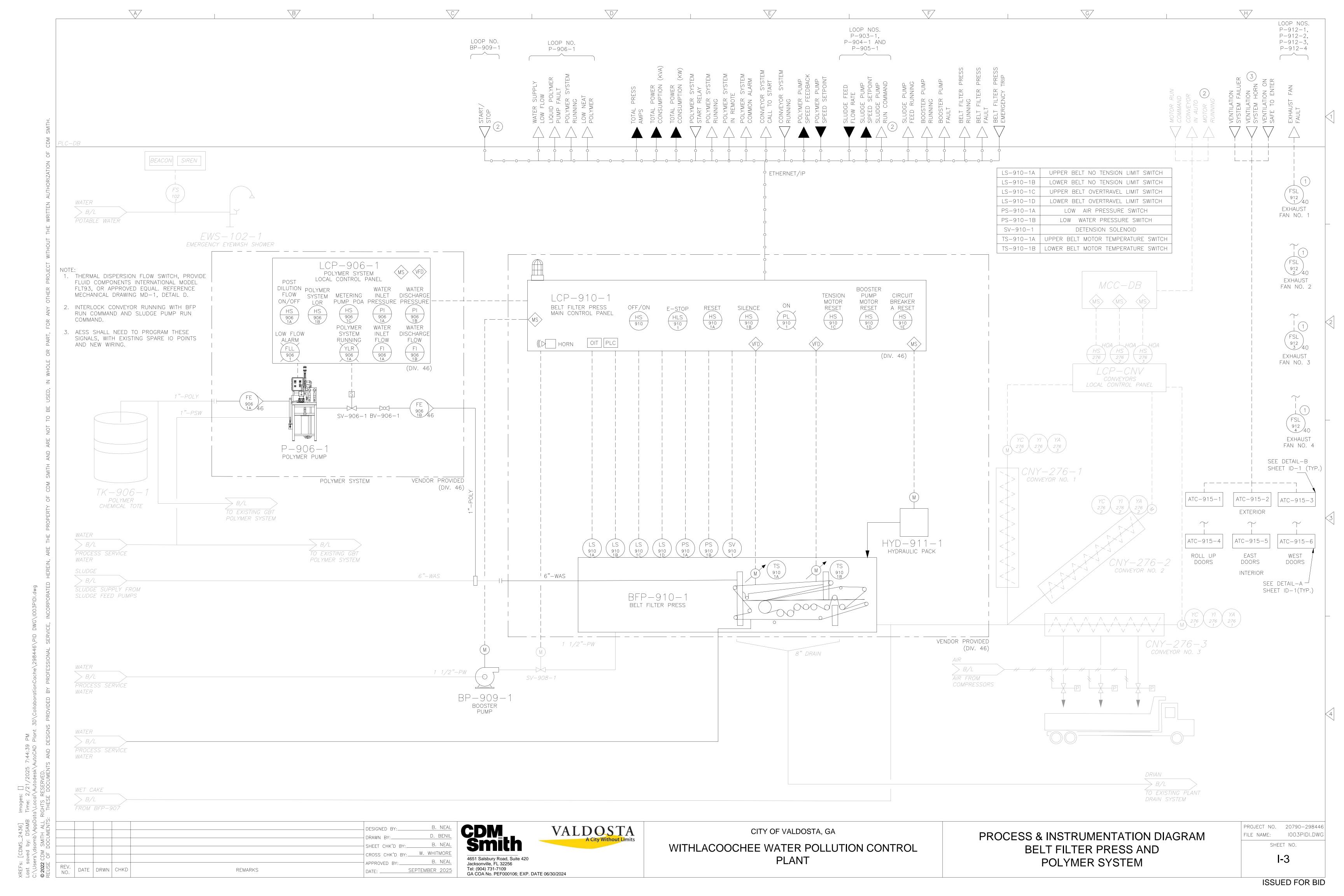


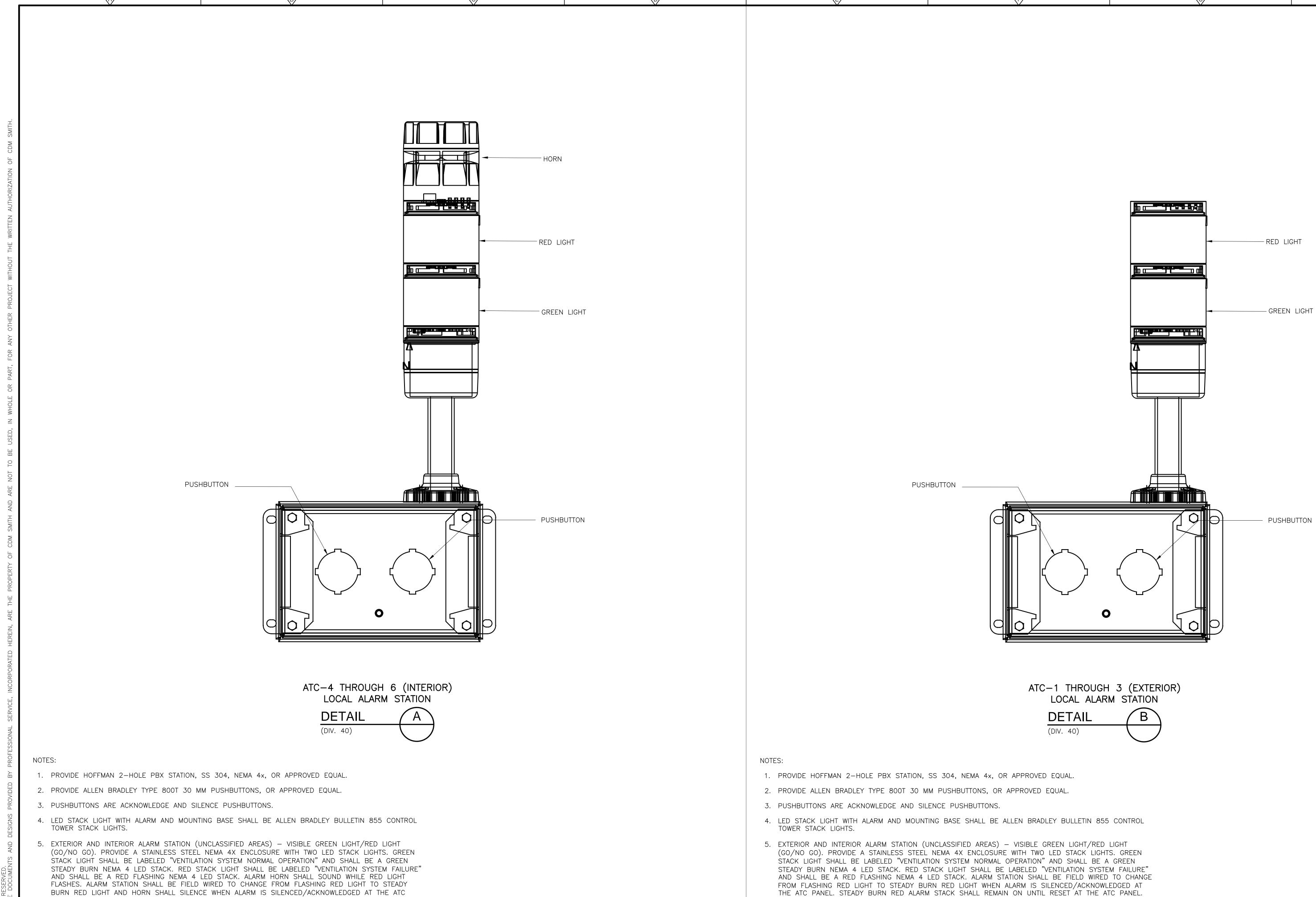




ISSUED FOR BID







VALDOSTA

D. BENII

4651 Salsbury Road, Suite 420

Jacksonville, FL 32256
Tel: (904) 731-7109
GA COA No. PEF000106; EXP. DATE 06/30/2024

W. WHITMORE

CITY OF VALDOSTA, GA

WITHLACOOCHEE WATER POLLUTION CONTROL

PLANT

PROJECT NO. 20790—29844

FILE NAME: ID01PIDT.DW

INSTRUMENTATION DETAILS

SHEET NO.

ID-1

ISSUED FOR BID

ATC PANEL.

DATE DRWN CHKD

PANEL SILENCE PUSHBUTTON. STEADY BURN RED ALARM STACK SHALL REMAIN ON UNTIL RESET AT THE

REMARKS