	ELECTRICAL PLAN SYMBOLS			ELECTRICAL
<b>IDENTIFICATION SYMBOLS</b>	SWITCHES/RECEPTACLES	RACEWAY	MEDIUM VOLTAGE	LO
EQUIP # EQUIPMENT AND INSTRUMENT IDENTIFICATION	SINGLE POLE SWITCH a = CIRCUIT DESIGNATION b = DEVICE SWITCHED DESIGNATION	EXPOSED CONDUIT      BREAK AND CONTINUATION IN CONDUIT RUN	a 52 CIRCUIT BREAKER, MEDIUM VOLTAGE b 52 a = CIRCUIT BREAKER NUMBER b = FRAME SIZE	e LOW VOLT b O c d O f TM SS b = FRAME
■ EQUIPMENT/INSTRUMENT LOCATOR	S c = TYPE 2 = DOUBLE POLE SWITCH 3 = THREE-WAY SWITCH 4 = FOUR-WAY SWITCH K = KEY OPERATED SWITCH F = SWITCH AND FUSESTAT HOLDER	EXPOSED CONDUIT HIDDEN BEHIND WALLS,     FLOORS OR OTHER STRUCTURES	a ANSI RELAY DEVICE a = ANSI DEVICE FUNCTION b = QUANTITY	в = FHAAM c = NUMB d = TRIP 5 е = DESIG f = INTERI
c b = DEVICE SWITCHED FROM c = MOUNTING HEIGHT IN FEET TO BOTTOM OF FIXTURE	P = SWITCH AND PILOT LIGHT T = THERMOSTAT D = DIMMER SWITCH L = LOW VOLTAGE LIGHT SWITCH		MEDIUM VOLTAGE DISCONNECT SWITCH NON-FUSED CUT OUT	
CONDUIT IDENTIFICATION XXXX = CONDUIT NUMBER, REFER TO CONDUIT SCHEDULE UNLESS OTHERWISE NOTED, GROUPED CONDUITS	M = MANUAL MOTOR STARTER	CONDUIT IN SLAB     CONDUIT VERTICAL CHANGE IN DIRECTION	MEDIUM VOLTAGE DISCONNECTING FUSE SINGLE FUSE CUT OUT	
ARE LABELED LEFT TO RIGHT OR TOP TO BOTTOM.	$-\Theta_{b}^{a}$ Switch and single receptacle $a = \operatorname{Circuit Designation}$ $b = \operatorname{Device type designation}$		MEDIUM VOLTAGE DISCONNECTING FUSE DOUBLE FUSE CUT OUT	
A DISCONNECT SWITCH a = TYPE, REFER TO DISCONNECT SCHEDULE	⇒ a b DUPLEX RECEPTACLE a = CIRCUIT DESIGNATION b = DEVICE TYPE DESIGNATION		MEDIUM VOLTAGE SINGLE FUSE	₽ Ŷ fused
	- the b QUADRUPLEX RECEPTACLE a = CIRCUIT DESIGNATION b = DEVICE TYPE DESIGNATION	DUCTBANK     APPROXIMATE DIMENSIONS     SHOWN ON DUCTBANK SECTIONS	MEDIUM VOLTAGE DOUBLE FUSE	
*440 SDBC UNLESS OTHERWISE NOTED     GROUND ROD     GROUND ROD AND GROUND WELL	B       a       IN FLOOR DUPLEX RECEPTACLE         a = CIRCUIT DESIGNATION         b = DEVICE TYPE DESIGNATION	CONDUIT SIZE AND CONDUCTORS		FUSE
GROUND CONNECTION	<ul> <li> <sup>a</sup> → <sup>a</sup> <sup>a</sup> = CIRCUIT DESIGNATION         <sup>b</sup> = DEVICE TYPE DESIGNATION         <sup>b</sup> = DEVICE TYPE DESIGNATION         <sup>a</sup> → <sup>a</sup> <sup>b</sup> <sup>b</sup> <sup>b</sup> <sup>b</sup> <sup>c</sup> <sup>c</sup> <sup>b</sup> <sup>c</sup> <sup>c</sup></li></ul>	<u>INDIVIDUAL CONDUCTORS</u> W"C-(3-X (Ø), 1-Y (N) & 1-Z (G))	MEDIUM VOLTAGE ELBOW	
LUMINAIRES	a = CIRCUIT DESIGNATION b = DEVICE TYPE DESIGNATION	W°C (WHERE INDICATED): W = CONDUIT TRADE SIZE 3-X (Ø): 3 = QUANTITY X = SIZE OF CONDUCTORS		
2', 4', OR 8' STRIP 2' X 2' LAY-IN TROFFER	a = CIRCUIT DESIGNATION b = DEVICE TYPE DESIGNATION	<ul> <li>(Ø) = DESIGNATES PHASE CONDUCTORS</li> <li>1-Y (N)(WHERE INDICATED):</li> </ul>		
2' X 2' LAY-IN TROFFER	B. WELDING RECEPTACLE a = CIRCUIT DESIGNATION b = DISCONNECT TYPE → b = SPECIAL PURPOSE RECEPTACLE a = CIRCUIT DESIGNATION	1 = QUANTITY Y = SIZE OF CONDUCTORS (N) = DESIGNATES NEUTRAL CONDUCTORS		۲ <sup>-</sup>
	b = DEVICE TYPE DESIGNATION b = DEVICE TYPE DESIGNATION C a TWIST LOCK RECEPTACLE a = AMP RATING	1-Z (G)(WHERE INDICATED): 1 = QUANTITY Z = SIZE OF CONDUCTORS (G) = DESIGNATES GROUND CONDUCTORS		
STROBE a = COLOR R = RED	H bar to the outlet a = circuit designation b = MOUNTING HEIGHT	U{3-X (Ø) & 1-X (G)} U = NUMBER OF PARALLEL RUNS	<b>⇒</b>	
G = GREEN A = AMBER	A B DATA COMMUNICATIONS OUTLET a = CIRCUIT DESIGNATION b = MOUNTING HEIGHT	MULTI CONDUCTOR CABLES		
LUMINAIRE, EMERGENCY BATTERY-POWERED	FIRE ALARM	K/2/C#18S K (WHERE INDICATED) = NUMBER OF PAIRS 2/C#16S = TWO CONDUCTOR, 16 GAUGE, TWISTED SHIELDED PAIR		
LUMINAIRE, EMERGENCY BATTERY-POWERED REMOTE	SMOKE DETECTOR a = TYPE i = IONIZATION	K3/C#18S K (WHERE INDICATED) = NUMBER OF TRIPLETS 3/C#16S = THREE CONDUCTOR, 16 GAUGE, TWISTED SHIELDED TRIPLETS		
LUMINAIRE, SURFACE OR PENDANT MOUNTED	P = PHOTOELECTRIC d = DUCT DETECTOR FACP FIRE ALARM CONTROL PANEL	N/CX N = NUMBER OF CONDUCTORS IN THE CABLE X = SIZE OF CONDUCTORS		
	FIRE ALARM PULL STATION         EX       FIRE ALARM HORN/STROBE COMBINATION	FIBER OPTIC CABLES		│ └ <u></u> ╞══╛ <sub>─</sub> ┛
ARROW POINTS IN DIRECTION OF EGRESS.		N = NUMBER OF INDIVIDUAL FIBERS		E
PE PHOTOCELL	F = FLOW SWITCH T = TAMPER SWITCH			
	DESIGNED CAC			SOUTH VA
				MISCEL
		PART PART		
Z DATE BY DESCRIPTION				

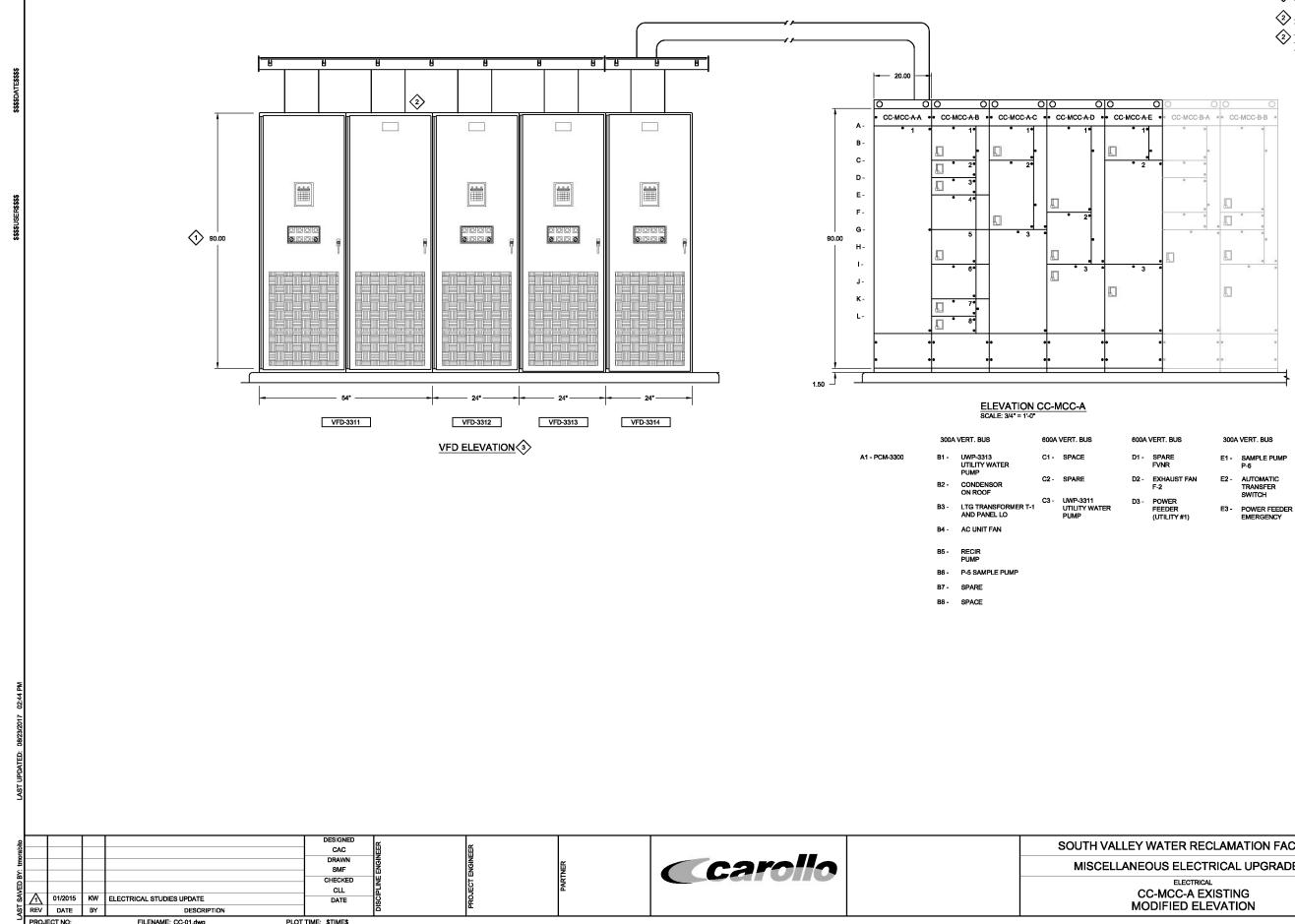
## ONE-LINE SYMBOLS OW VOLTAGE MISCELLANEOUS LTAGE CIRCUIT BREAKER HP MOTOR HP = HORSEPOWER RATING FULL LOAD AMPS AS NOTED F ACP = MOTOR CIRCUIT PROTECTOR M = THERMAL MAGNETIC S = SOLID STATE MME SIZE (MANUFACTURER TO DETERMINE FRAME SIZE UNLESS INDICATED) MER OF POLES P SETTING (AT = AMP TRIP) (AC = MOP CONTINUOUS RATING) SIGNATION ERRUPTING RATING PACKAGED EQUIPMENT LOAD RATING AS INDICATED a = RATED LOAD b = UNIT(HP, KW, KVA) AS INDICATED a b TRANSFORMER a = DEVICE I.D. b = KVA RATING c = NUMBER OF PHASES d = PRIMARY VOLTAGE ~~~~~ VOLTAGE CIRCUIT BREAKER IARY OPERATOR • = S = SHUNT TRIP = G = GROUND FAULT INTERRUPTER = V = SOLENOID KEY RELEASE e = SECONDARY VOLTAGE f,g = CONNECTION TYPE SYMBOL h = IMPEDANCE ≽ GROUNDED WYE CONNECTION Δ DELTA CONNECTION NNECT SWITCH PE, REFER TO DISCONNECT SCHEDULE ENGINE-GENERATOR RATINGS AS INDICATED ON THE DRAWINGS a = KVA/KW b = VOLTAGE/CONNECTION c = PHASE d = WIRE e = PF G ED DISCONNECT SWITCH B = TYPE, REFER TO DISCONNECT SCHEDULE b = FUSE RATING å L CURRENT TRANSFORMER WITH SHORTING TERMINAL BLOCK a = QUANTITY b = RATIO °\_a°d ⊢⊡ POTENTIAL TRANSFORMER a = QUANTITY b = RATIO c,d = CONNECTION TYPE SYMBOL IBINATION STARTER I CONTROL POWER TRANSFORMER a = CIRCUIT BREAKER DISCONNECT, TYPE AS NOTED b = STARTER TYPE SSM SOLID STATE MULTIFUNCTION METER ATP c = NEMA STARTER SIZE d = OVERLOAD AMPERE TEST POINT vtp →> VOLTAGE TEST POINT 86mm VARIABLE FREQUENCY DRIVE WITH FEATURES AS SHOWN a = INPUT CONTACTOR UTILITY METER b = OUTPUT CONTACTOR c = BYPASS STARTER ₅ d = INPUT CIRCUIT BREAKER LR LINE REACTOR LL LOAD REACTOR 0-LIGHTNING ARRESTER SPD SURGE PROTECTIVE DEVICE REDUCED VOLTAGE SOLID STATE STARTER WITH FEATURES AS SHOWN BS = BYPASS STARTER DRAWOUT CONNECTION Ŷ Ť GROUND +CAPACITOR -|1|1|BATTERY EQUIPMENT ENCLOSURE —K KIRK KEY INTERLOCK ------LOAD BANK JOB NO. ALLEY WATER RECLAMATION FACILITY VERIFY SCALES 10548.B10 BAR IS ONE INCH ON ORIGINAL DRAWING DRAWING NO. LANEOUS ELECTRICAL UPGRADES 00GE01 ELECTRICAL LEGEND IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY SHEET NO.

OF XXX

		ABBREVIA	TIONS		POWER DEV	OWER DEVICE FUNCTION NUMBERS		
AMP	J JUNCTION BOX	TACH		1 MASTER ELEMENT		83 AUTOMATIC SELECTIVE CONTROL OR TRANSFER RELAY		
ABSOLUTE ALTERNATING CURRENT	K KEY INTERLOCK	ТВ-Х ТС	TERMINAL BLOCK - UNIT X THERMOCOUPLE / TIME CLOCK / TRAY CABLE	2 TIME-DELAY START 3 CHECKING OR INTE	TING OR CLOSING RELAY	84 OPERATING MECHANISM 85 PILOT COMMUNICATIONS, CARRIER OR PILOT-WIRE RELAY		
ACKNOWLEDGE	KA KILOAMP	TD	TEMPERATURE DETECTOR RELAY	4 MASTER CONTACT		86 LOCKOUT RELAY		
ACTUATOR	KV KILOVOLT	TE	TOTALLY ENCLOSED	5 STOPPING DEVICE		87 DIFFERENTIAL PROTECTIVE RELAY		
AMP FRAME	KVA KILOVOLT AMPERE	TEFC	TOTALLY ENCLOSED FAN COOLED	6 STARTING CIRCUIT		88 AUXILIARY MOTOR OR MOTOR GENERATOR		
AUTOMATIC FREQUENCY CONTROL AMP INTERRUPTING CAPACITY	KVAR KILOVAR (REACTANCE) KW KILOWATT	TENV TERM	TOTALLY ENCLOSED NON-VENTILATED TERMINAL	7 ANODE CIRCUIT BF 8 CONTROL POWER	REAKER DISCONNECTING DEVICE	89 LINE SWITCH 90 REGULATING DEVICE		
AMETER	KWD KILOWATT DEMAND	TJB		9 REVERSING DEVIC		91 VOLTAGE DIRECTIONAL RELAY		
ANNUNCIATOR	KWH KILOWATT HOUR	TM	THERMAL MAGNETIC	10 UNIT SEQUENCE S		92 VOLTAGE AND POWER DIRECTIONAL RELAY		
ANTENNA		TP	TWISTED PAIR	11 MULTIFUNCTION D		93 FIELD-CHANGING CONTACTOR		
AUXILIARY POWER UNIT ARMORED CABLE	L LONG-TIME L-B LINE-BUS	TS TS1W	TEMPERATURE SWITCH TWO SPEED CONSEQUENT POLE. ONE WINDING	12 OVER-SPEED DEVI 13 SYNCHRONOUS-SF		94 TRIPPING OR TRIP-FREE RELAY		
AMMETER SWITCH	L-B LINE-BUS L-G LINE-GROUND	TS2W	TWO SPEED CONSEQUENT POLE, ONE WINDING TWO SPEED SEPARATE WINDING	13 SYNCHRONOUS-SF 14 UNDER-SPEED DE\				
ASYMMETRICAL	LA LIGHTNING ARRESTOR	TSTAT	THERMOSTAT		ENCY MATCHING DEVICE	COMMONLY USED SUFFIX LETTERS APPLIED TO		
AMP TRIP	LBL LABEL			16 DATA COMMUNICA		POWER DEVICE FUNCTION NUMBERS		
AUTOMATIC THROW OVER AMMETER TEST POINT	LC LIGHTING CONTACT OR LCP-X LOCAL CONTROL PANEL NO. X	UHF	ULTRA HIGH FREQUENCY UNGROUNDED	17 SHUNTING OR DISC				
AUTOMATIC TRANSFER SWITCH	LL LEAD-LAG LOAD REACTOR	UNG UPS	UNGROUNDED UNINTERRUPTABLE POWER SUPPLY		R DECELERATING DEVICE INING TRANSITION CONTACTOR	A ALARM ONLY		
FMR AUTOMATIC TRANSFORMER	LP LIGHT POLE	UVR	UNDER VOLTAGE RELAY	20 ELECTRICALLY OPI		B BUS PROTECTION		
AUXILIARY	LP - X LIGHTING PANEL NO. X			21 DISTANCE RELAY		G GROUND FAULT PROTECTION (RELAY CT IN A SYSTEM NEUTRAL CIRCUIT OR GENERATOR PRO'		
AMERICAN WIRE GAGE	LTG LIGHTING	V	VOLT	22 EQUALIZER CIRCU		GS GROUND FAULT PROTECTION		
BELL	LV LOW VOLTAGE LVL LEVEL	VA VAR	VOLT AMPERE VARMETER	23 TEMPERATURE CO 24 VOLTS PER HERTZ		(RELAY CT IN TOROIDAL OR GROUND SENSOR TYPE)		
BATTERY		VCP			RELAT	L LINE PROTECTION		
BELOW FINISHED GRADE	M-X MOTOR CONTROLLER NO. X	VFD	VARIABLE FREQUENCY DRIVE	26 APPARATUS THER		M MOTOR PROTECTION		
BRAKE HORSEPOWER	MA MILLIAMPERE	VHF	VERY HIGH FREQUENCY	27 UNDERVOLTAGE R	ELAY	N GROUND FAULT PROTECTION		
BREAKER	MCA MOTOR CIRCUIT AMPS	VM	VOLTMETER		NDERVOLTAGE RELAY	(RELAY COIL CONNECTED IN RESIDUAL CT CIRCUIT) T TRANSFORMER PROTECTION		
BELOW RAISED FLOOR	MCC - X MOTOR CONTROL CENTER NO. X MCP MOTOR CIRCUIT PROTECTOR	VP VR	VAPORPROOF VOLTAGE REGULATOR	28 FLAME DETECTOR 29 ISOLATING CONTAG		V VOLTAGE		
CONDUIT / CONTINUOUS LOAD	MH MANHOLE / MOUNTING HEIGHT	VR VS	VOLTAGE REGULATOR VOLTAGE SWITCH	29 ISOLATING CONTA 30 ANNUNCIATOR REL		P PHASE PROTECTION		
CIRCUIT BREAKER	MLO MAIN LUGS ONLY	VT VT	VOLTAGE TRANSFORMER	31 SEPARATE EXCITA				
CLOSED CIRCUIT TELEVISION	MOD MOTOR OPERATED DAMPER	VTP	VOLTAGE TEST POINT	32 DIRECTIONAL POW				
COUNTER CLOCKWISE	MOV METAL OXIDE VARISTOR			33 POSITION SWITCH		ABBREVIATIONS		
CIRCUIT COAXIAL CABLE	MRP MOTOR PROTECTION RELAY MS-X MOTOR STARTER NO. X	W	WATT / WEST WATER TIGHT	34 MASTER SEQUENC	CE DEVICE G OR SLIP-RING SHORT-CIRCUITING DEVICE			
COMMON	MS-X MOTOR STARTER NO. X MSP MOTOR STARTING PANEL	WT WP	WATER TIGHT WEATHER PROOF	35 BRUSH-OPERATING 36 POLARITY DEVICE		AFD - ARC FLASH DETECTOR CLK - CLOCK OR TIMING SOURCE		
COMMUNICATION	MTO MANUAL THROW OVER				OR UNDERPOWER RELAY	DDR - DYNAMIC DISTURBANCE RECORDER		
CONTROL POWER TRANSFORMER	MTR-X MOTOR NO. X	XFMR	TRANSFORMER	38 BEARING PROTECT		DFR - DIGITAL FAULT RECORDER		
CONTROL SWITCH	MTS MANUAL TRANSFER SWITCH			39 MECHANICAL CONI	DITION MONITOR	ENV - ENVIRONMENTAL DATA		
CURRENT TRANSFORMER CONTROL VALVE	MV MEGAVOLT MVA MEGAVOLT-AMPERES			40 FIELD RELAY 41 FIELD CIRCUIT BRE		HIZ - HIGH IMPEDANCE FAULT DETECTOR		
CLOCKWISE / COOL WHITE	MVS MEDIUM VOLTAGE SWITCH			41 FIELD CIRCUIT BRE 42 RUNNING CIRCUIT		HMI - HUMAN MACHINE INTERFACE HST - HISTORIAN		
	MW MEGAWATT				R OR SELECTOR DEVICE	LGC - SCHEME LOGIC		
DIRECT CURRENT				44 UNIT SEQUENCE S		MET - SUBSTATION METERING		
DISTRIBUTED CONTROL SYSTEM	N NEUTRAL				SPHERIC CONDITION MONITOR	PDC - PHASOR DATA CONCENTRATOR		
C DISTRIBUTED CONTROL UNIT NO. X DEMOLITION	NC NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE					PMU - PHASOR MEASUREMENT UNIT		
DISCONNECT SWITCH	NFC NONMETALLIC FLEXIBLE CONDUIT			47 PHASE-BALANCE C 48 INCOMPLETE SEQU	OR PHASE-SEQUENCE VOLTAGE RELAY	PQM - POWER QUALITY MONITOR RIO - REMOTE I/O DEVICE		
DEMAND METER	NL NIGHT LIGHT				SFORMER THERMAL RELAY	RIU - REMOTE I/O DEVICE RTU - REMOTE TELEMETRY UNIT/REMOTE TERMINAL UNIT		
DOUBLE POLE DOUBLE THROW	NO NORMALLY OPEN				OVERCURRENT RELAY	SER - SEQUENCE OF EVENTS RECORDER		
DOUBLE POLE SINGLE THROW	NP NAMEPLATE			51 AC TIME OVERCUR		TCM - TRIP CIRCUIT MONITOR		
DOOR SWITCH				52 AC CIRCUIT BREAK				
EMERGENCY GENERATOR	O OPEN OR OPENED OH OVERHEAD			53 FIELD EXCITATION 54 TURNING GEAR EN				
EMERGENCY	OL OVERLOAD RELAY			55 POWER FACTOR R				
ELECTRICAL METALLIC TUBING				56 FIELD APPLICATION				
ENCLOSURE	P POLE				G OR GROUNDING DEVICE			
	PA PUBLIC ADDRESS			58 RECTIFICATION FA				
ELECTRICAL NON-METALLIC TUBING EXPLOSION PROOF	PB PUSHBUTTON / PULL BOX PCS PVC COATED GALVANIZED STEEL (	CONDUIT		59 OVERVOLTAGE RE	ELAY RENT BALANCE RELAY			
ELAPSED TIME METER	PCM PROCESS CONTROL MODULE	CONDON		61 DENSITY SWITCH C				
	PE PHOTOCELL				PING OR OPENING RELAY			
FIRE ALARM	PF POWER FACTOR			63 PRESSURE SWITCH				
FIRE ALARM CONTROL PANEL FEEDER	PFCC POWER FACTOR CORRECTION CAP PFR PHASE FAILURE RELAY	PACITOR		64 GROUND DETECTO	OR RELAY			
FULL LOAD AMPS	PFR PHASE FAILURE RELAY PH PHASE			65 GOVERNOR 66 NOTCHING OR JOG				
FLEXIBLE CONDUIT	PNL PANEL				OVERCURRENT RELAY			
FIBER OPTIC	PPX POWER PANEL NO. X			68 BLOCKING OR OUT	OF STEP RELAY			
FIBERGLASS RIGID CONDUIT				69 PERMISSIVE CONT	ROL DEVICE			
FREQUENCY FUSE	PT POTENTIAL TRANSFORMER PVC POLYVINYL CHLORIDE RIGID PLAST			70 RHEOSTAT	TCH			
SW FUSED SWITCH	PWR POWER			71 LIQUID LEVEL SWIT 72 DC CIRCUIT BREAK				
FULL VOLTAGE NON-REVERSING				73 LOAD-RESISTOR C				
FULL VOLTAGE REVERSING	RAC RIGID ALUMINUM CONDUIT			74 ALARM RELAY				
FORWARD	RECPT RECEPTACLE			75 POSITION CHANGIN				
GROUND / EQUIPMENT GROUND / GROUND FAULT	REV REVERSE RF RADIO FREQUENCY			76 DC OVERCURRENT 77 TELEMETERING DE				
GENERATOR	RF RADIO FREQUENCY RMS ROOT MEAN SQUARED			77 TELEMETERING DE 78 PHASE-ANGLE MEA				
GALVANIZED STEEL RIGID CONDUIT	RVAT REDUCED VOLTAGE AUTO TRANSF			79 AC RECLOSING RE				
GROUND FAULT CIRCUIT INTERRUPTER (RECEPTACLE	) RVNR REDUCED VOLTAGE NON-REVERSI	ING		80 FLOW SWITCH				
GROUND FAULT INTERRUPTER (BREAKER)	RVSS REDUCED VOLTAGE SOLID STATE			81 FREQUENCY RELA				
GROUND FAULT RELAY	S SHIELD / SHORT-TIME			82 DC LOAD MEASURI	ING RECLOSING RELAY			
HOT-LEG	S SHIELD / SHORT-TIME SA SURGE ARRESTER							
HIGH FREQUENCY	SC SHORT CIRCUIT							
HORSEPOWER	SDBC SOFT DRAWN BARE COPPER							
HIGH PRESSURE SODIUM	SFL SUB FEED LUGS							
HOUR	SLT SEALTIGHT LIQUIDTIGHT FLEXIBLE	CONDUIT						
HUMIDISTAT HIGH VOLTAGE	SM SURFACE MOUNTED SP SINGLE POLE							
HEATING/VENTILATION/AIR CONDITIONING	SP SINGLE POLE SPD SURGE PROTECTIVE DEVICE							
HERTZ	SPDT SINGLE POLE DOUBLE THROW							
	SPST SINGLE POLE SINGLE THROW							
	SPKR SPEAKER							
INSTANTANEOUS LOAD								
INTERRUPTING CAPACITY	SS SOLID STATE							
INTERRUPTING CAPACITY INSTRUMENT JUNCTION BOX	STB SHORTING TERMINAL BLOCK							
INTERRUPTING CAPACITY								
INTERRUPTING CAPACITY INSTRUMENT JUNCTION BOX INTERMEDIATE METAL CONDUIT	STB SHORTING TERMINAL BLOCK SW SWITCH							

NOTES: 1. REFER TO SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL ABBREVIATIONS.

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norabi					DESIGNED CAC	EER	EER				SOUTH VALLEY WATER RECLAMATION FACILITY	VERIFY SCALES	JOB NO. 10548.B10
н В					DRAWN MNH	ENGIN		RER	Carolo		MISCELLANEOUS ELECTRICAL UPGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.
SAED					CHECKED		JECT E	PART				0 1"	00GE02
۲.					DATE		Q.				ABBREVIATIONS	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO.
≤	REV	DATE	BY	DESCRIPTION		□	ш					SCALES ACCORDINGLY	OF XXX
	PROJE	CT NO.		FILE NAME: 10548B1000GE002.dgn									



PROJECT NO:

FILENAME: CC-01.dwg

PLOT TIME: \$TIME\$

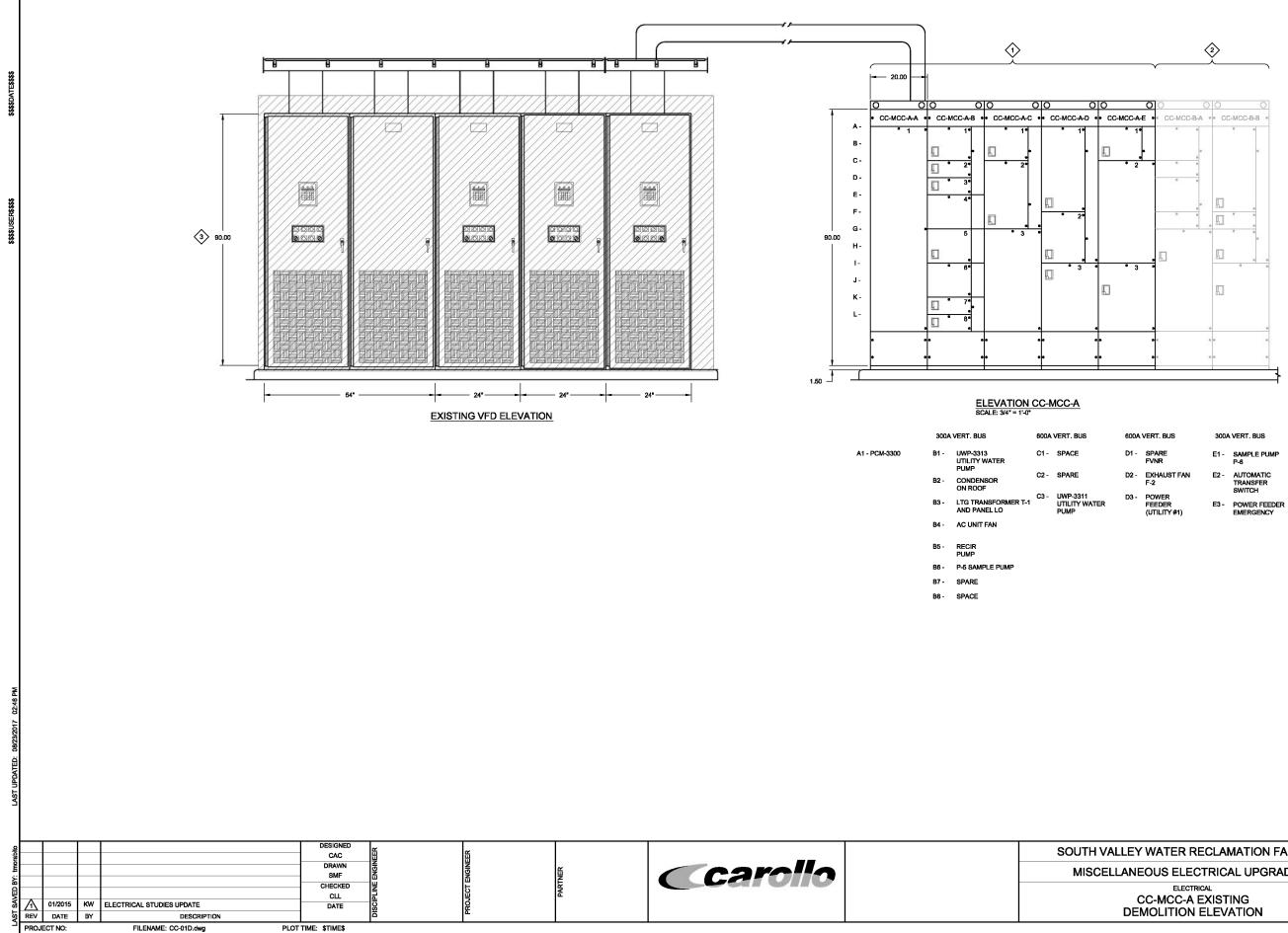
# KEY NOTES:

ALL VFDS ARE 24" DEEP THE NEW VFDS CANNOT EXCEED THE DIMENSIONS SHOWN.



- ALL CONDUIT CONNECTIONS ARE MADE THROUGH THE TOP OF THE VFD.
- THE VED ELEVATION SHOWN IS THE EXISTING VFDS. THE NEW VFDS CANNOT EXCEED THE DIMENSIONS OF THE EXISTING CABINETS.

LEY WATER RECLAMATION FACILITY	VERIFY SCALES	JOB NO. 10548.B10
ANEOUS ELECTRICAL UPGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.
ELECTRICAL	0	CC-01
CC-MCC-A EXISTING MODIFIED ELEVATION	IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.
	SCALES ACCORDINGLY	OF XXX



# KEY NOTES:

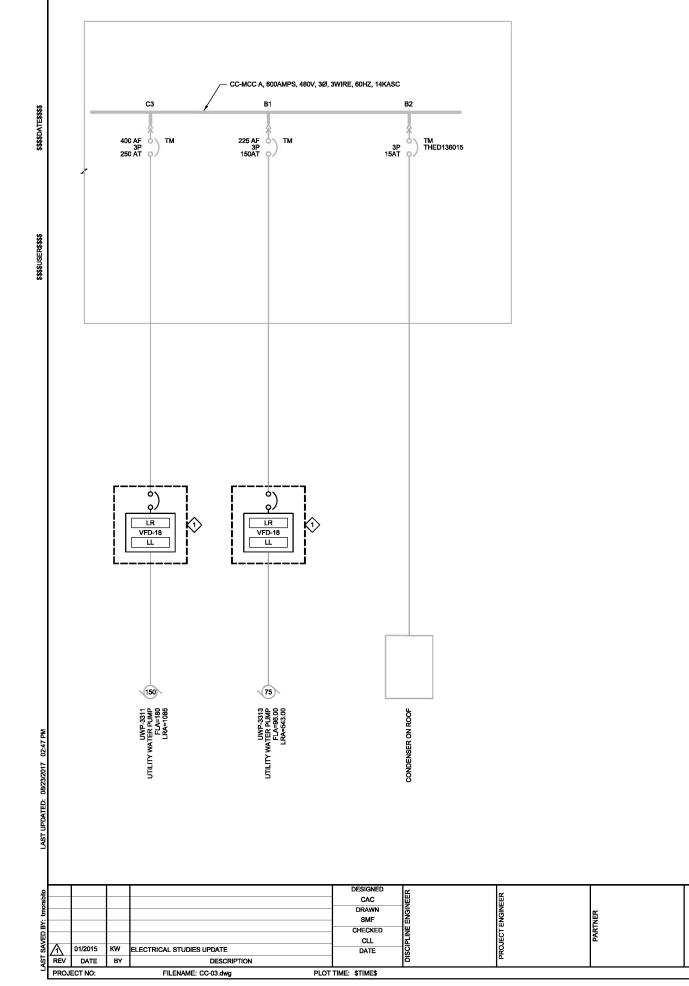
# CC-INCOLOS. CC-INCC A GE SERIES 8000 CAT #044X0418M10 DIAGRAM #23489847 NEMA CLASS II, TYPE B, ENCL. 12 480V, 360, 390, 60Hz 6000 MAIN BUS COPPER, SILVER PLATED 3004 GROUND BUS COPPER, SILVER PLATED 22,0004 SYMMETRICAL BUS RATING 14,000A SYMMEMETRICAL MCC SHORT CKT RATING



CC-MCC B' GE SERIES 9000

DEMOLISH THE EXISTING UTILITY WATER PUMP VFDS AND REPLACE WITH THE NEW OWNER FURNISHED VFDS.

LLEY WATER RECLAMATION FACILITY LANEOUS ELECTRICAL UPGRADES	VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING	10548.B10 DRAWING NO. CC-01D
CC-MCC-A EXISTING DEMOLITION ELEVATION	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO. OF XXX

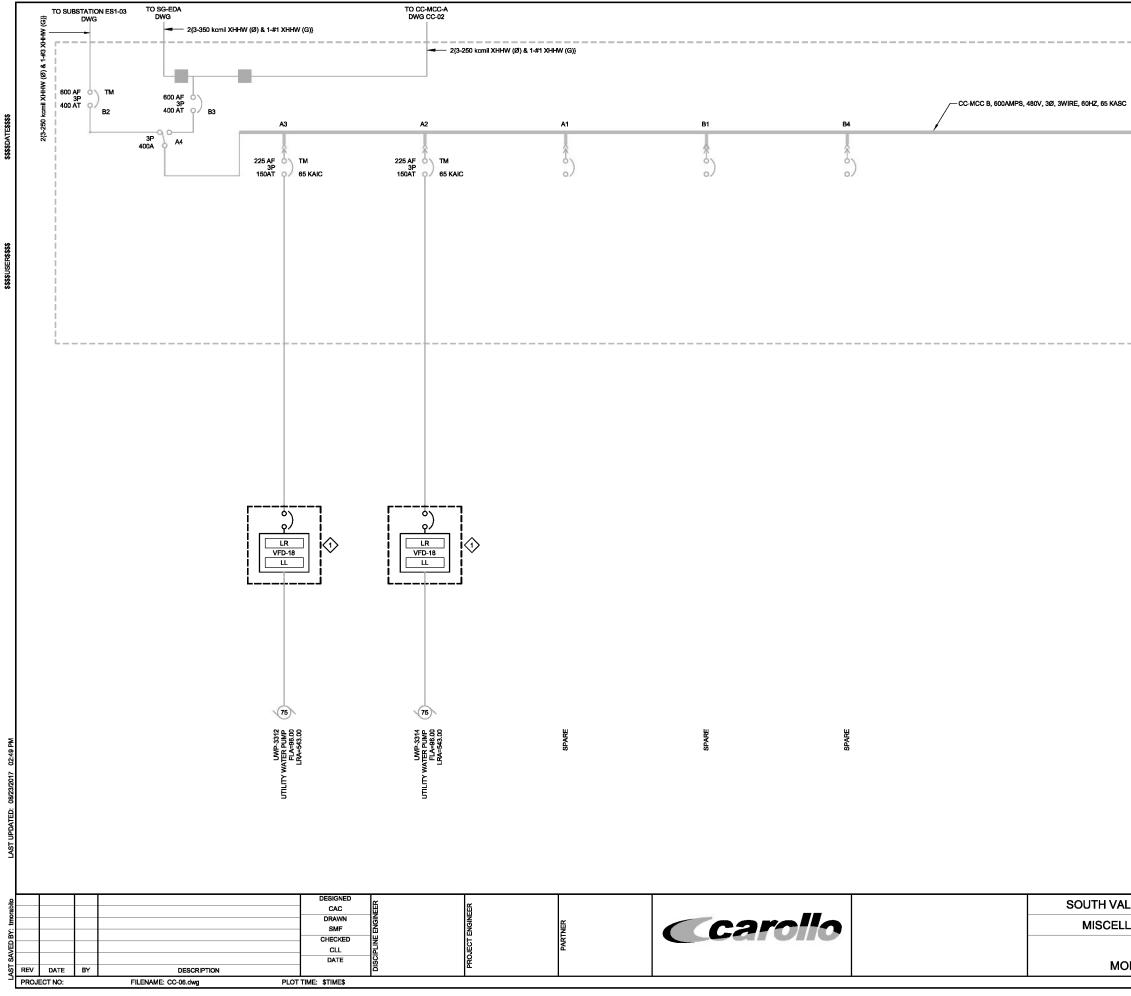


Carollo

SOUTH VAL MISCELL MODIFI GENERAL NOTES:

1. REFER TO THE VED ELEVATION FOR MAXIMUM ALLOWABLE VED EQUIPMENT DIMENSIONS.

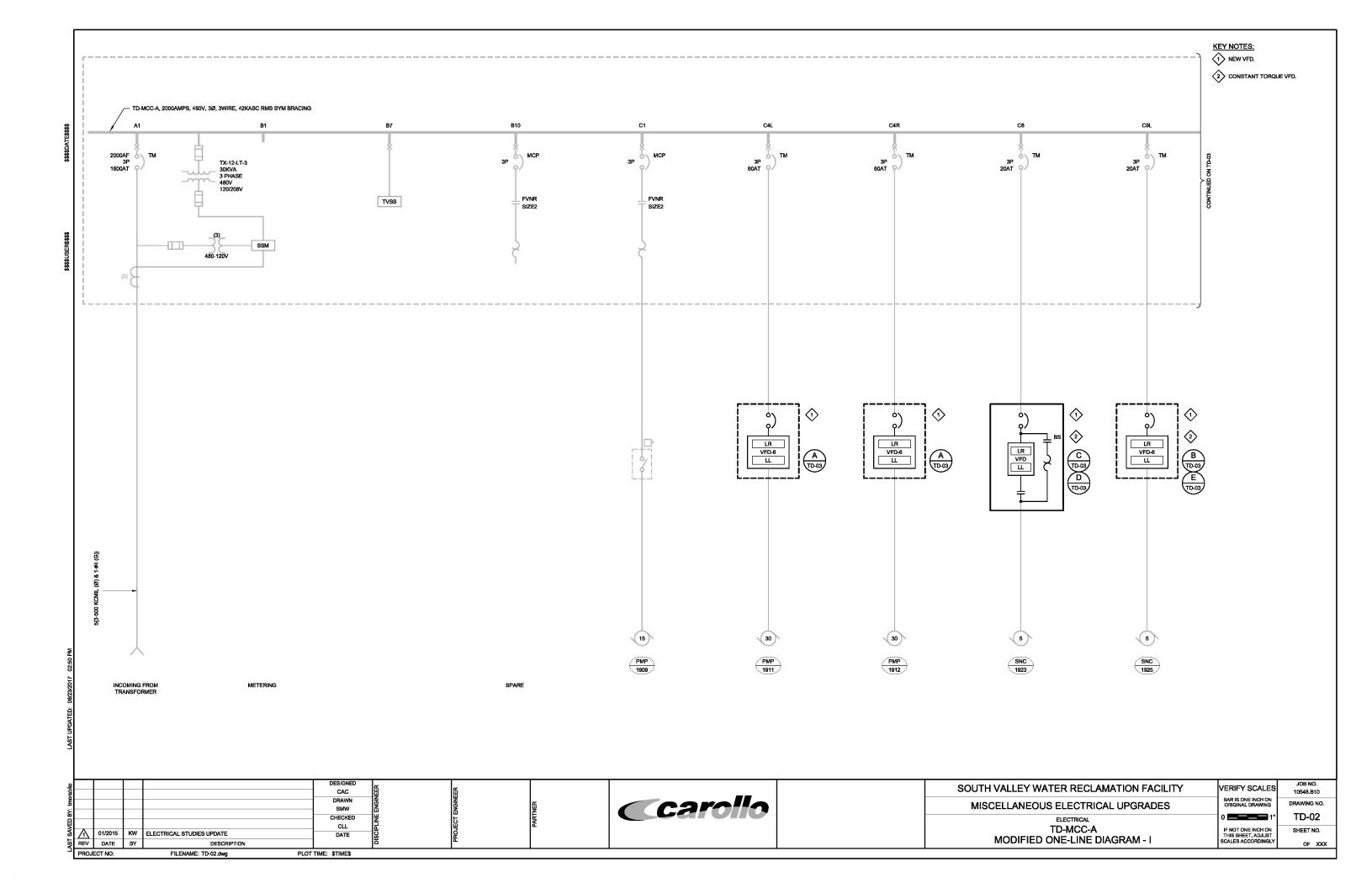
LLEY WATER RECLAMATION FACILITY	VERIFY SCALES	JOB NO. 10548.B10
LANEOUS ELECTRICAL UPGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.
ELECTRICAL	0 1"	CC-03
	IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.
FIED PARTIAL ONE-LINE DIAGRAM	SCALES ACCORDINGLY	OF XXX

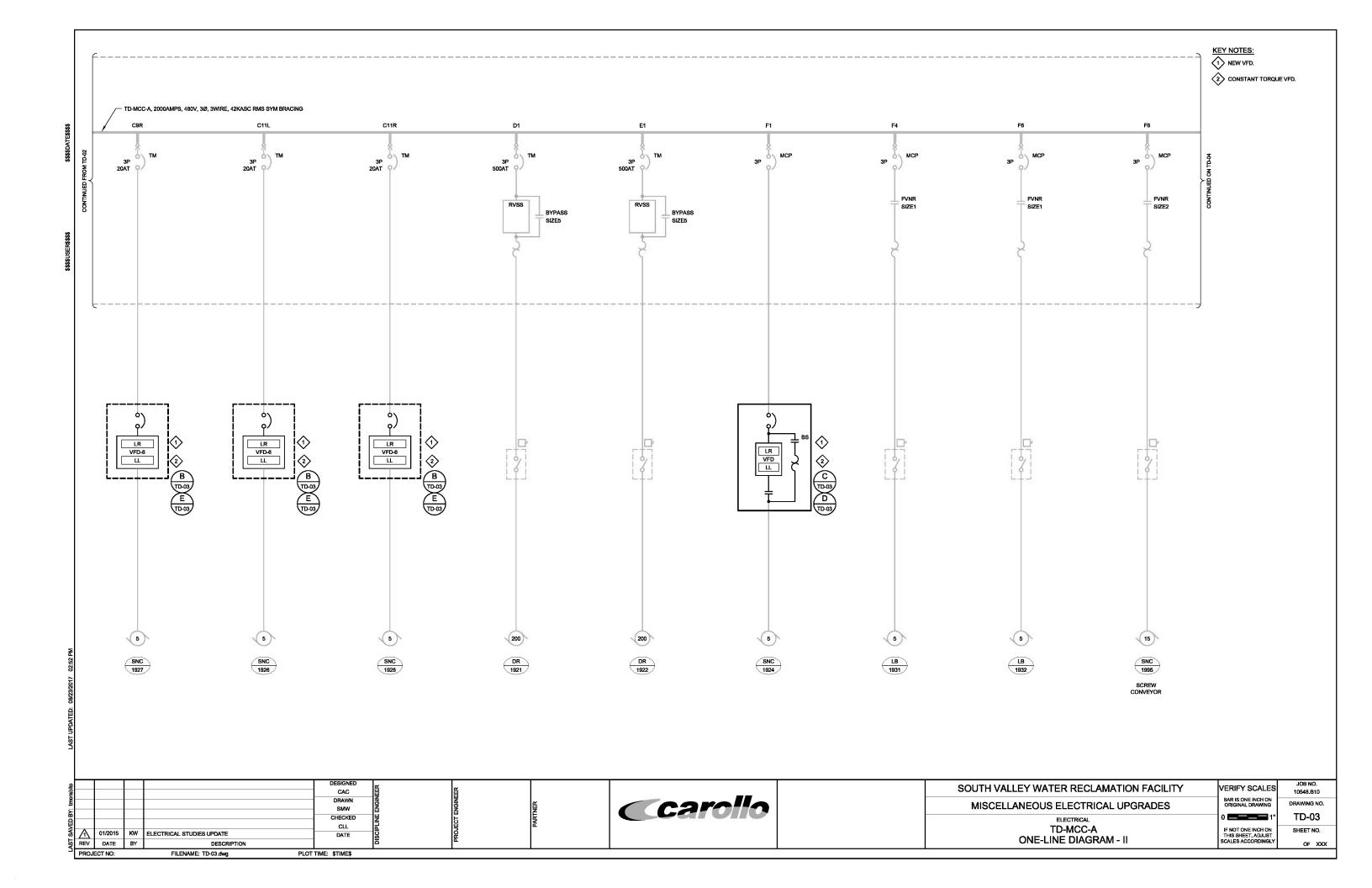


# GENERAL NOTES:

1. REFER TO THE VFD ELEVATION FOR MAXIMUM ALLOWABLE VFD EQUIPMENT DIMENSIONS.

ALLEY WATER RECLAMATION FACILITY	VERIFY SCALES	JOB NO. 10548.B10
LANEOUS ELECTRICAL UPGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.
ELECTRICAL	0	CC-06
	IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.
ODIFIED ONE-LINE DIAGRAM - I	SCALES ACCORDINGLY	OF XXX







DATE

PLOT TIME: \$TIME\$

DESCRIPTION

FILENAME: TD-04.dwg

REV DATE

PROJECT NO:

BY

## GENERAL NOTES:

1. FURNISH VFD ENCLOSURES OF THE SAME SIZE AS THE EXISTING WITH THE MOUNTING ATTACHMENTS INDICATED.

KEY NOTES:

- THE VFD ENCLOSURE IS 46" H X 30" W X 10" DEEP.
- THE VFD ENCLOSURE IS 30" H X 24" W X 10" DEEP.
- THE VFD ENCLOSURE IS 30" H X 24" W X 16" DEEP.
- MOUNTING IS SIMILAR FOR THE PUMP-1911 AND PUMP-1912 VFDS.

ALLEY WATER RECLAMATION FACILITY	VERIFY SCALES	JOB NO. 10548.B10
LANEOUS ELECTRICAL UPGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.
ELECTRICAL	0 1"	TD-04
	IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.
VFD MOUNTING DETAILS	SCALES ACCORDINGLY	OF XXX