

# South Valley Water Reclamation Facility

100% Drawings for the Construction of

## MCC REPLACEMENT PROJECT

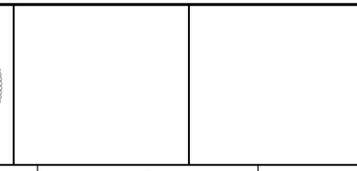
MARCH 2026  
VOLUME 2

## MCC CONSTRUCTION PACKAGE

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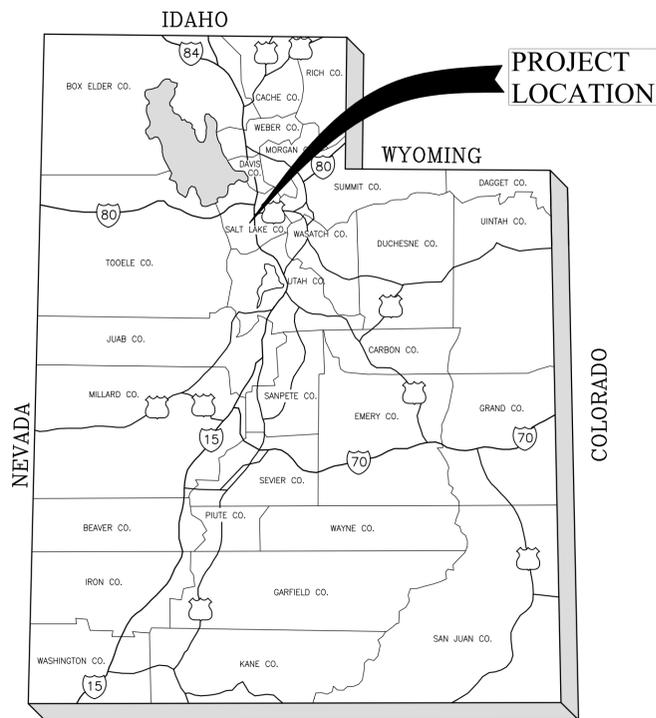
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DESIGNED	TLM
DRAWN	TLM
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DATE	MARCH 2026

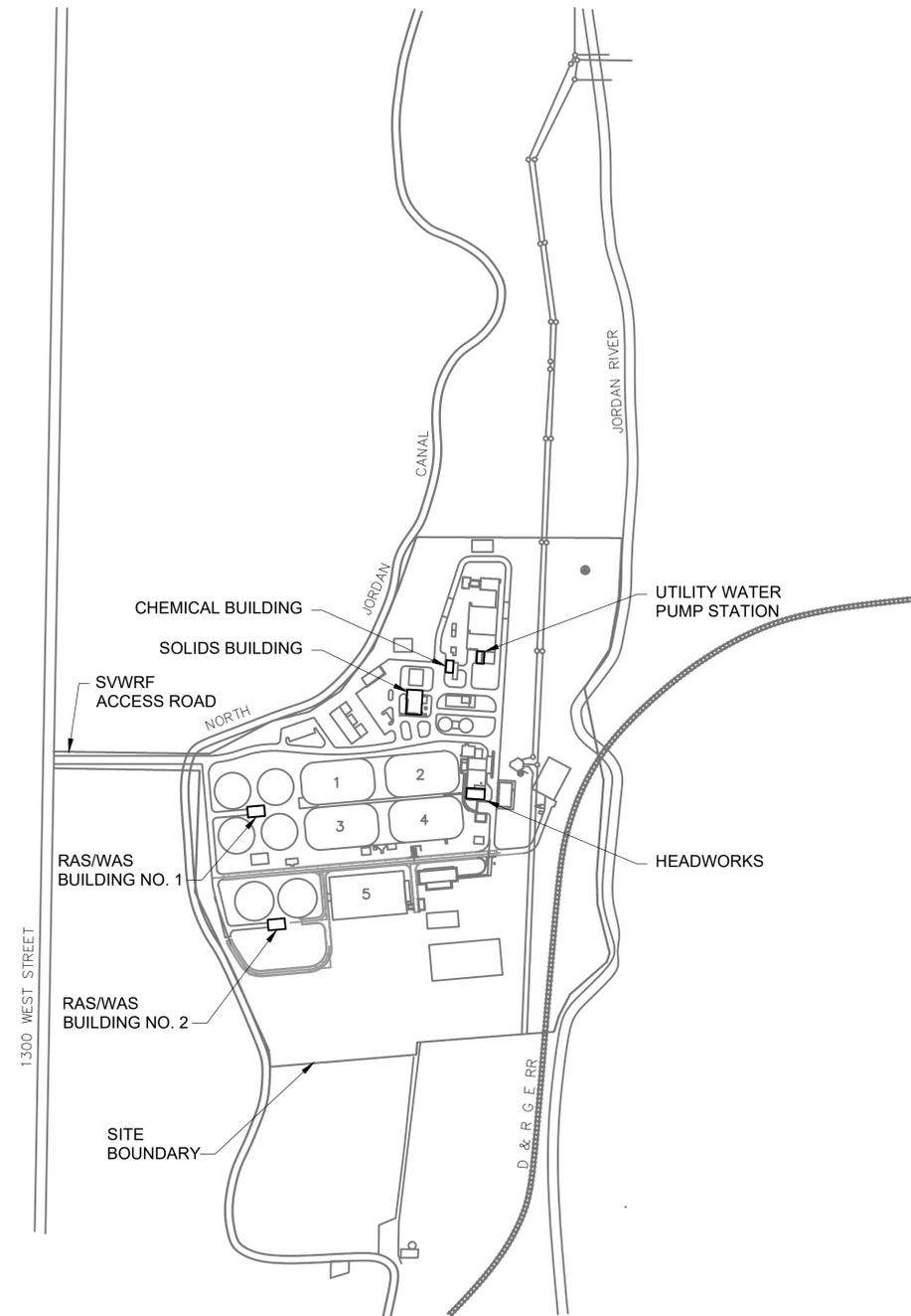


SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
GENERAL  
COVER SHEET

VERIFY SCALES	JOB NO. 202633
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. G01
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO. 1 OF 152



ARIZONA  
**PROJECT LOCATION MAP**  
NTS



**SITE MAP**  
NTS

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**SV South Valley**  
WATER RECLAMATION FACILITY  
7495 South 1300 West  
West Jordan, Utah 84084

**SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT**  
GENERAL  
**LOCATION, VICINITY AND SITE MAPS**

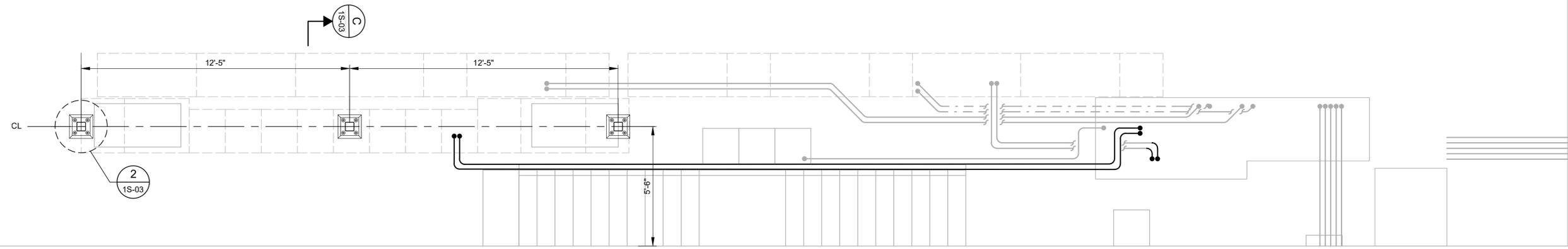
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JOB NO.  
202633  
DRAWING NO.  
**G02**  
SHEET NO.  
2 OF 152





GENERAL NOTES:  
 1. SEE DRAWING GS-01 FOR GENERAL STRUCTURAL NOTES.



**A PLAN**  
 SCALE: 3/8" = 1'-0"

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REV	DATE	BY	DESCRIPTION

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MHS  
 MHS  
 MARCH 2026



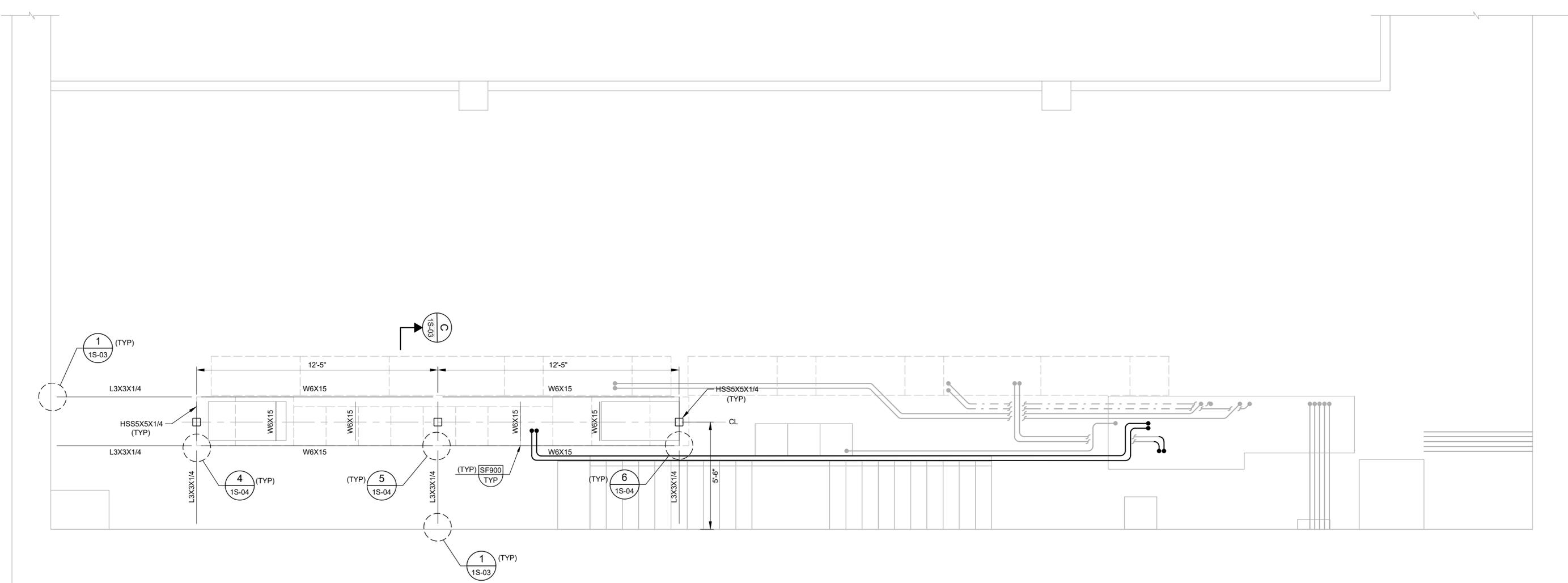
**SV South Valley**  
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 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 STRUCTURAL  
 HEADWORKS PUMP STATION EL. 74.5'  
 SUPPORT PLAN

VERIFY SCALES  
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JOB NO. 202633  
 DRAWING NO. 1S-01  
 SHEET NO. 5 OF 152

GENERAL NOTES:  
 1. SEE DRAWING GS-01 FOR GENERAL STRUCTURAL NOTES.

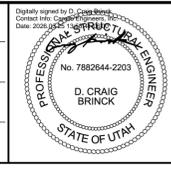


**B PLAN**  
 SCALE: 3/8" = 1'-0"

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SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 STRUCTURAL  
 HEADWORKS PUMP STATION EL. 87.0'  
 FRAMING PLAN

VERIFY SCALES  
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 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

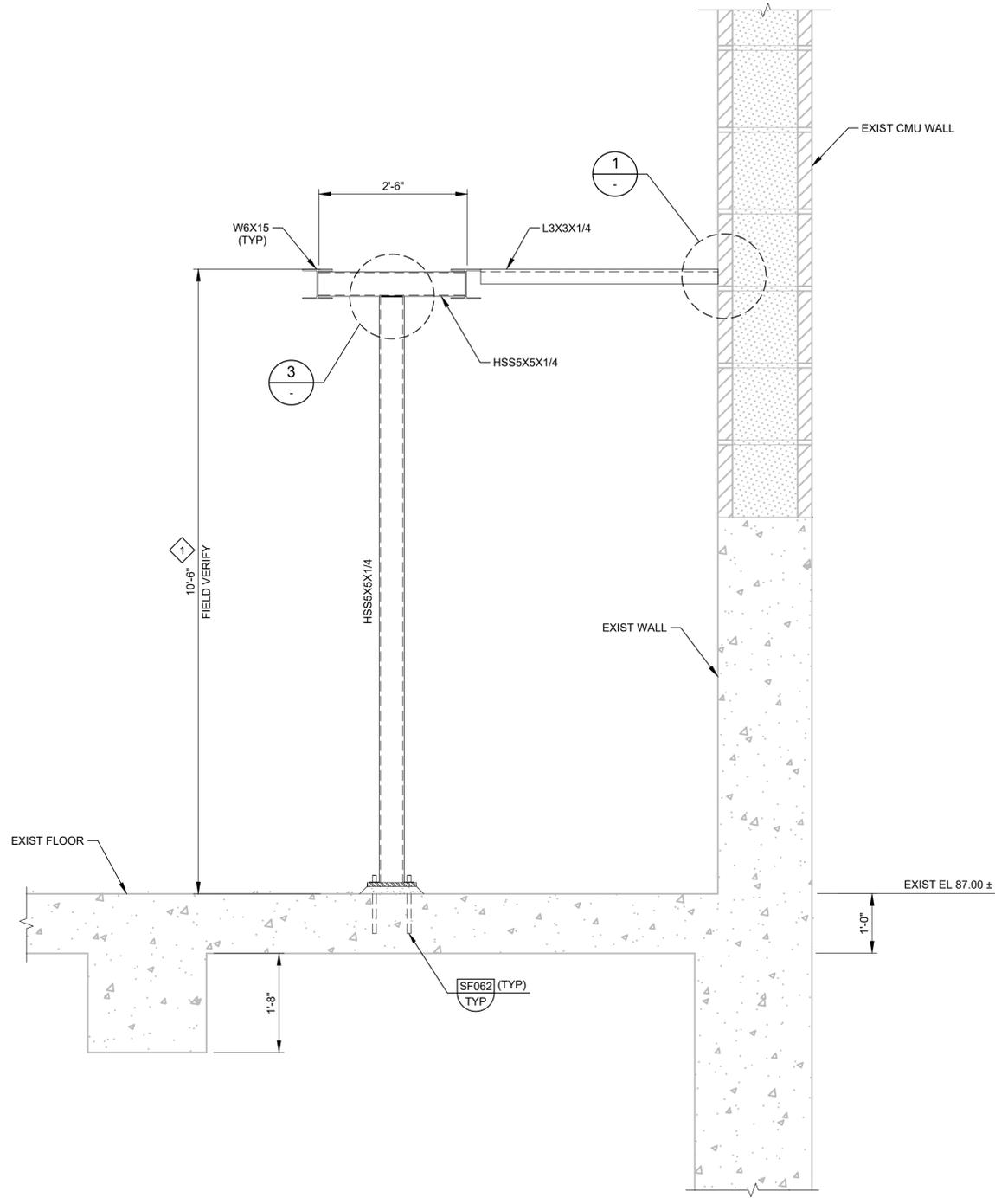
JOB NO. 202633  
 DRAWING NO. 1S-02  
 SHEET NO. 6 OF 152

**GENERAL NOTES:**

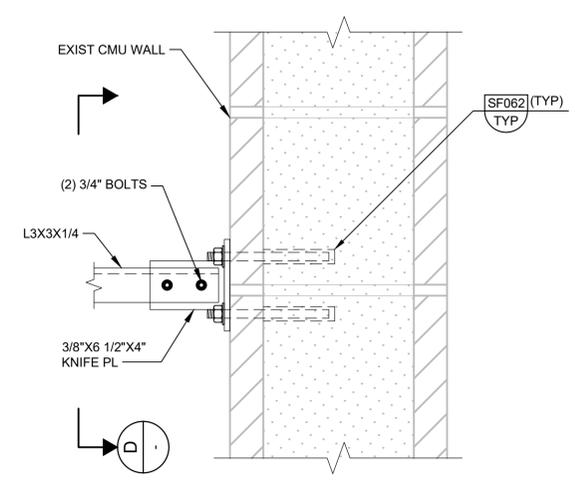
1. SEE DRAWING GS-01 FOR GENERAL STRUCTURAL NOTES.

**# KEY NOTES:**

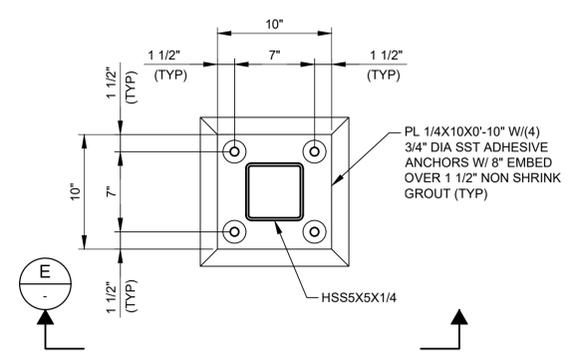
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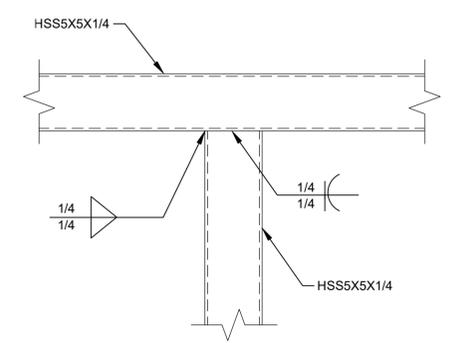
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1S-01 SCALE: 3/4" = 1'-0"



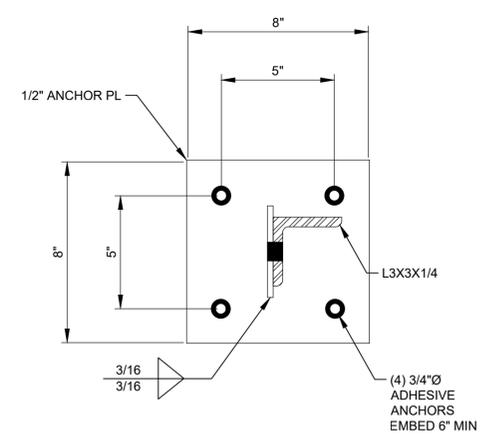
**1 DETAIL**  
SCALE: 1-1/2" = 1'-0"



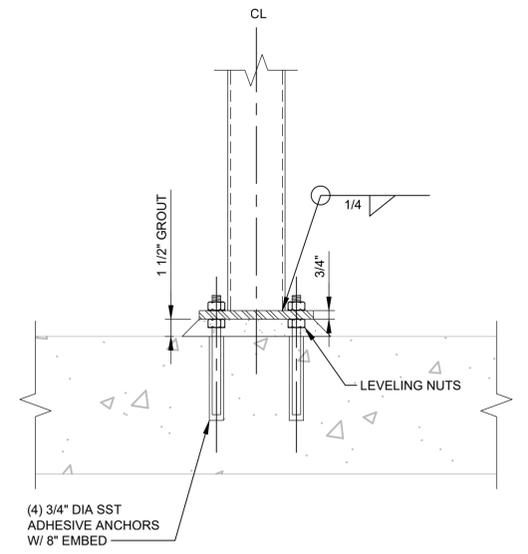
**2 DETAIL**  
SCALE: 1-1/2" = 1'-0"



**3 DETAIL**  
SCALE: 1-1/2" = 1'-0"



**D SECTION**  
SCALE: 3" = 1'-0"



**E SECTION**  
SCALE: 1-1/2" = 1'-0"

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REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED	D. CRAIG BRINCK
DRAWN	MHS
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DATE	MARCH 2026

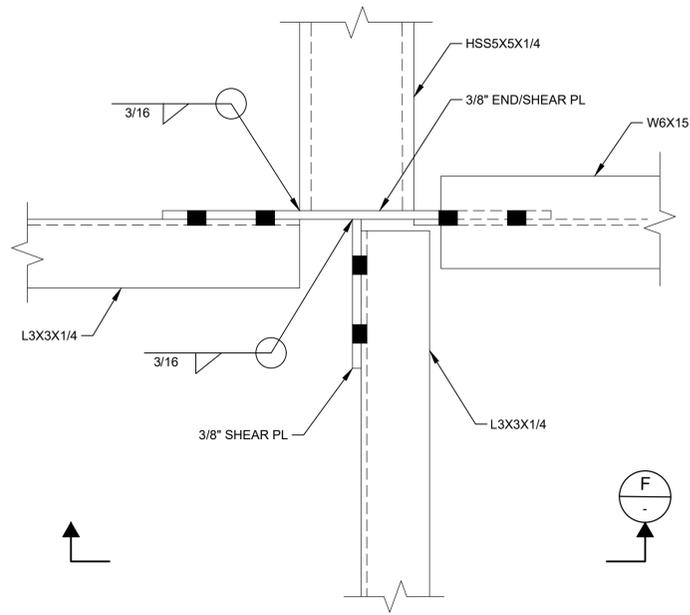


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WATER RECLAMATION FACILITY  
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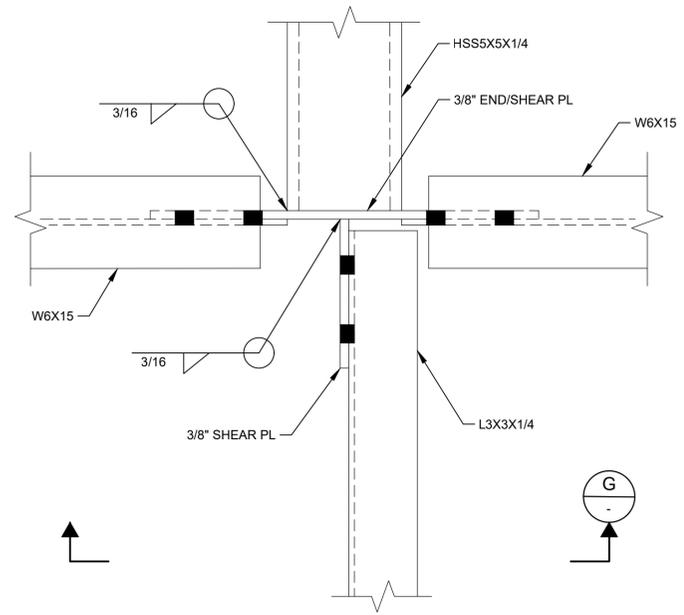
**SOUTH VALLEY WATER RECLAMATION**  
**MCC REPLACEMENT PROJECT**  
STRUCTURAL  
**HEADWORKS PUMP STATION EL. 87.0'**  
**CONSTRUCTION SECTION AND DETAILS**

VERIFY SCALES	JOB NO. 202633
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 1S-03
0 1" (Scale bar)	SHEET NO. 7 OF 152
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	

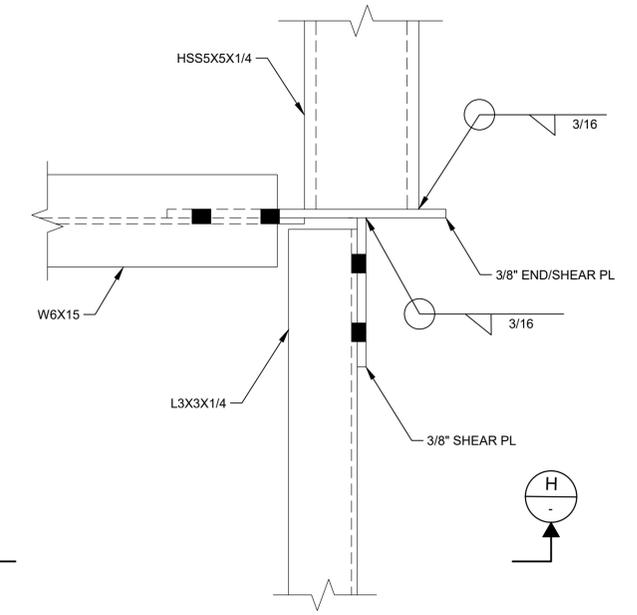
GENERAL NOTES:  
 1. SEE DRAWING GS-01 FOR GENERAL STRUCTURAL NOTES.



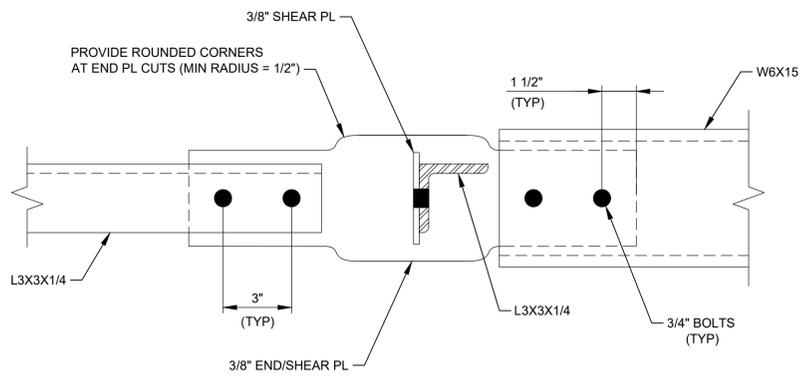
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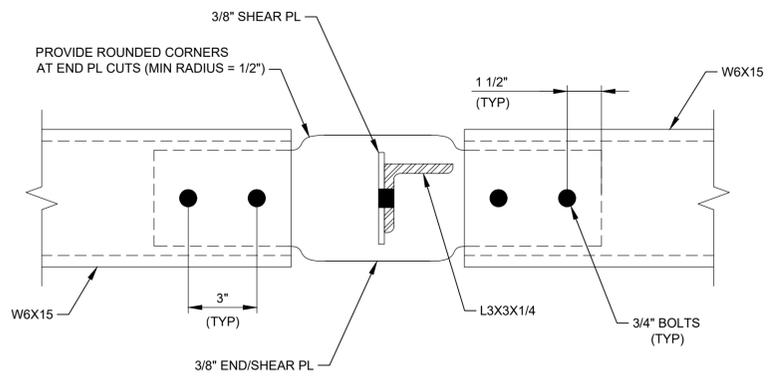
**5 DETAIL**  
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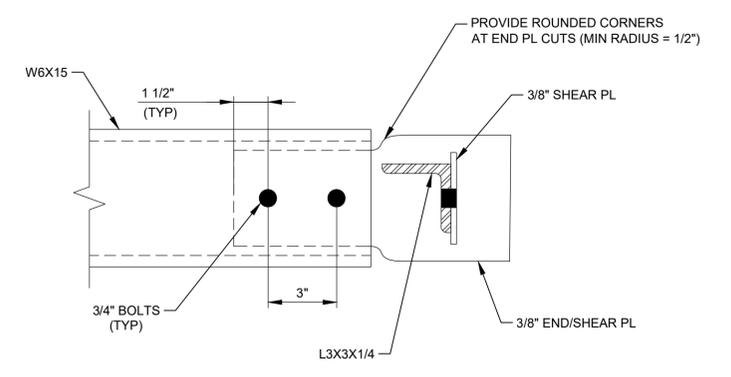
**6 DETAIL**  
 1S-02 SCALE: 3" = 1'-0"



**F SECTION**  
 SCALE: 3" = 1'-0"



**G SECTION**  
 SCALE: 3" = 1'-0"



**H SECTION**  
 SCALE: 3" = 1'-0"

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 DATE  
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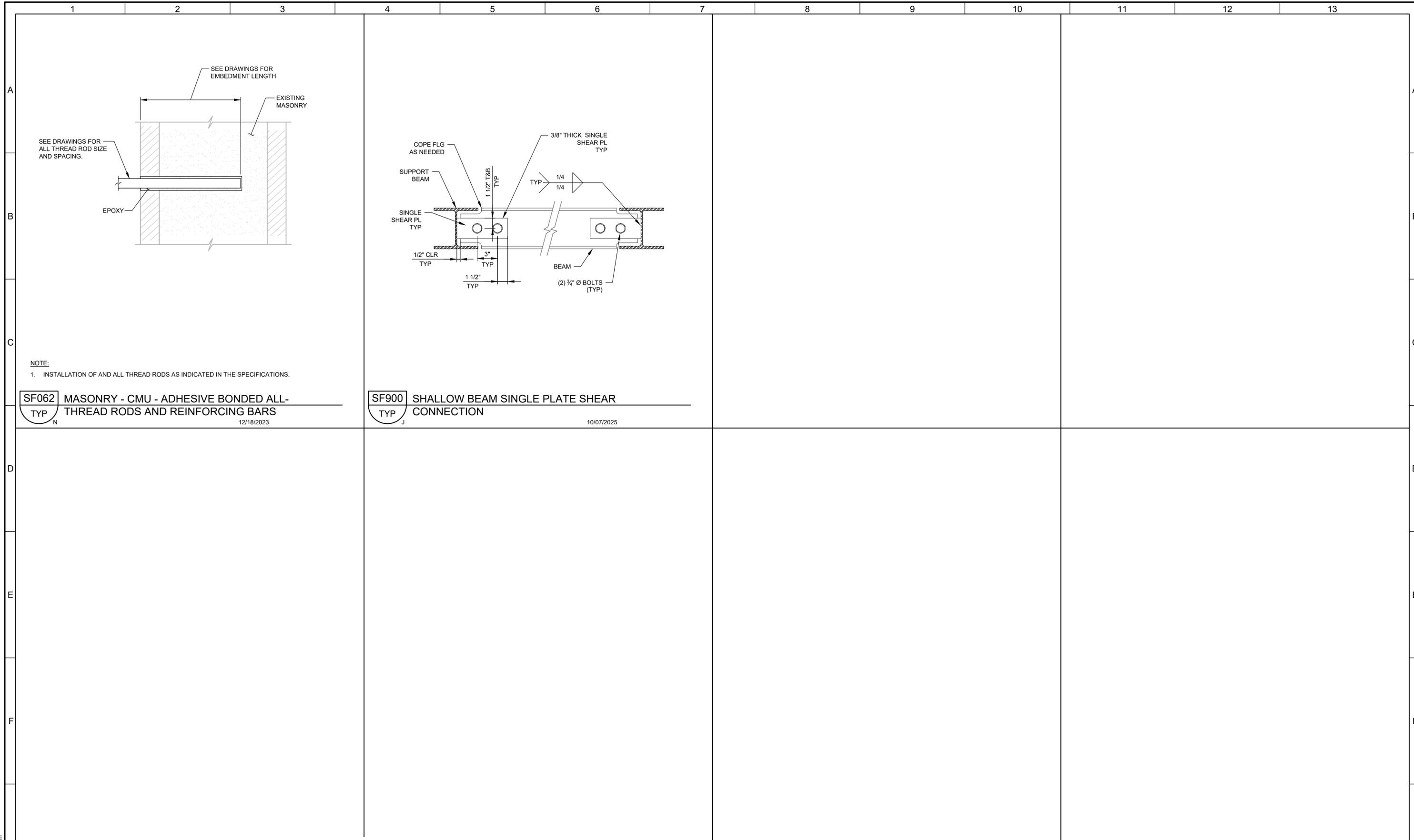


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SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 STRUCTURAL  
 HEADWORKS PUMP STATION  
 DETAILS

VERIFY SCALES  
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JOB NO.  
 202633  
 DRAWING NO.  
**1S-04**  
 SHEET NO.  
 8 OF 152



NOTE:  
 1. INSTALLATION OF AND ALL THREAD RODS AS INDICATED IN THE SPECIFICATIONS.

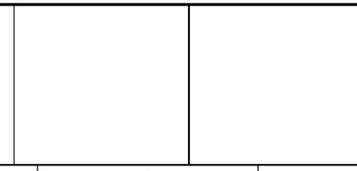
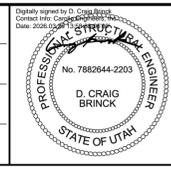
**SF062** MASONRY - CMU - ADHESIVE BONDED ALL-  
 TYP THREAD RODS AND REINFORCING BARS  
 N 12/18/2023

**SF900** SHALLOW BEAM SINGLE PLATE SHEAR  
 TYP CONNECTION  
 J 10/07/2025

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**SOUTH VALLEY WATER RECLAMATION**  
**MCC REPLACEMENT PROJECT**  
 STRUCTURAL  
**TYPICAL DETAILS**

VERIFY SCALES  
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JOB NO.  
202633  
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**TS-01**  
 SHEET NO.  
9 OF 152

ELECTRICAL PLAN SYMBOLS

ELECTRICAL ONE-LINE SYMBOLS

IDENTIFICATION SYMBOLS

- EQUIP #** EQUIPMENT AND INSTRUMENT IDENTIFICATION
- EQUIPMENT/INSTRUMENT LOCATOR**
- LUMINAIRE IDENTIFICATION**  
 a = CIRCUIT DESIGNATION  
 b = DEVICE SWITCHED FROM  
 c = MOUNTING HEIGHT IN FEET TO BOTTOM OF FIXTURE  
 X = LUMINAIRE TYPE, REFER TO THE LUMINAIRE SCHEDULE
- CONDUIT IDENTIFICATION**  
 XXXX = CONDUIT NUMBER, REFER TO CONDUIT SCHEDULE UNLESS OTHERWISE NOTED, GROUPED CONDUITS ARE LABELED LEFT TO RIGHT OR TOP TO BOTTOM.
- INDICATES KEYNOTE X (PERTAINS ONLY TO SHEET WHERE NOTE IS FOUND)
- DISCONNECT SWITCH  
 A = TYPE, REFER TO DISCONNECT SCHEDULE
- CAMERA

LUMINAIRES

- LINEAR FIXTURE
- 2' X 2' LAY-IN TROFFER
- 2' X 4' LAY-IN TROFFER
- LUMINAIRE POLE MOUNTED
- GO/NO-GO PANEL - STROBE AND HORN  
 R = RED LIGHT  
 G = GREEN LIGHT  
 H = HORN
- GO/NO-GO PANEL - SOLID
- GO/NO-GO PANEL - STROBE
- LUMINAIRE, EMERGENCY BATTERY-POWERED
- LUMINAIRE, EMERGENCY/EXIT BATTERY-POWERED
- LUMINAIRE, EMERGENCY BATTERY-POWERED REMOTE
- LUMINAIRE, SURFACE OR PENDANT MOUNTED
- LUMINAIRE, WALL MOUNTED
- LUMINAIRE, FLOOD/SPOT
- LUMINAIRE, EXIT ONE OR TWO FACES AS INDICATED. ARROW POINTS IN DIRECTION OF EGRESS.

SWITCHES/RECEPTACLES

- SINGLE POLE SWITCH**  
 a = CIRCUIT DESIGNATION  
 b = DEVICE SWITCHED DESIGNATION  
 c = TYPE  
 2 = DOUBLE POLE SWITCH  
 3 = THREE-WAY SWITCH  
 3P = THREE POSITION SWITCH  
 4 = FOUR-WAY SWITCH  
 K = KEY OPERATED SWITCH  
 F = SWITCH AND FUSE/STAT HOLDER  
 P = SWITCH AND PILOT LIGHT  
 T = THERMOSTAT  
 D = DIMMER SWITCH  
 L = LOW VOLTAGE LIGHT SWITCH  
 M = MANUAL MOTOR STARTER  
 N = NETWORKED SINGLE OR MULTIPLE SWITCH LOCATIONS
- REFER TO ABBREVIATIONS LEGEND FOR ALL OTHER DESIGNATIONS.
- OCCUPANCY SENSOR**  
 XREFERENCE LIGHTING CONTROL COMPONENT SCHEDULE  
 a = CIRCUIT DESIGNATION  
 b = DEVICE SWITCHED DESIGNATION  
 c = MOUNTING HEIGHT IN FEET TO BOTTOM OF SENSOR
- PHOTOCELL**
- SWITCH AND SINGLE RECEPTACLE**  
 a = CIRCUIT DESIGNATION  
 b = DEVICE TYPE DESIGNATION
- DUPLEX RECEPTACLE**
- QUADRUPLX RECEPTACLE**
- IN FLOOR DUPLEX RECEPTACLE**
- IN FLOOR QUADRUPLX RECEPTACLE**
- DUPLEX RECEPTACLE w/SPLIT WIRE**
- DEDICATED RECEPTACLE**
- SPECIAL PURPOSE RECEPTACLE**
- WELDING RECEPTACLE**  
 a = CIRCUIT DESIGNATION  
 b = DISCONNECT TYPE
- TWIST LOCK RECEPTACLE**  
 a = AMP RATING
- TELEPHONE OUTLET**  
 a = CIRCUIT DESIGNATION  
 b = MOUNTING HEIGHT
- DATA COMMUNICATIONS OUTLET**  
 a = CIRCUIT DESIGNATION  
 b = MOUNTING HEIGHT

FIRE ALARM

- SMOKE DETECTOR**  
 a = TYPE  
 I = IONIZATION  
 P = PHOTOELECTRIC  
 d = DUCT DETECTOR
- FIRE ALARM CONTROL PANEL**
- FIRE ALARM PULL STATION**
- FIRE ALARM HORN/STROBE COMBINATION**
- FIRE ALARM STROBE**
- FIRE SPRINKLER**  
 F = FLOW SWITCH  
 T = TAMPER SWITCH

RACEWAY

- EXPOSED CONDUIT
- BREAK AND CONTINUATION IN CONDUIT RUN
- EXPOSED CONDUIT HIDDEN BEHIND WALLS, FLOORS OR OTHER STRUCTURES
- UNDERGROUND CONDUIT, DIRECT BURIED OR IN DUCT BANK
- CONDUIT IN SLAB
- CONDUIT VERTICAL CHANGE IN DIRECTION
- CONDUIT CAP
- JUNCTION BOX
- CONDUIT SEAL
- CONDUIT TEE
- DUCT BANK  
 APPROXIMATE DIMENSIONS SHOWN ON DUCT BANK SECTIONS

CONDUIT SIZE AND CONDUCTORS

- INDIVIDUAL CONDUCTORS**
- W"C-(3-X (Ø), 1-Y (N) & 1-Z (G))
- W"C (WHERE INDICATED): W = CONDUIT TRADE SIZE
- 3-X (Ø):  
 3 = QUANTITY  
 X = SIZE OF CONDUCTORS  
 (Ø) = DESIGNATES PHASE CONDUCTORS
- 1-Y (N) (WHERE INDICATED):  
 1 = QUANTITY  
 Y = SIZE OF CONDUCTORS  
 (N) = DESIGNATES NEUTRAL CONDUCTORS
- 1-Z (G) (WHERE INDICATED):  
 1 = QUANTITY  
 Z = SIZE OF CONDUCTORS  
 (G) = DESIGNATES GROUND CONDUCTORS
- U3-X (Ø) & 1-X (G)  
 U = NUMBER OF PARALLEL RUNS
- VFD CONDUCTORS**
- U|N|C-X (Ø) & INTEGRAL (G);VFD  
 U = NUMBER OF PARALLEL RUNS  
 N/C = NUMBER OF PHASE CONDUCTORS IN CABLE  
 X = SIZE OF CONDUCTORS  
 VFD = VFD CABLE
- MULTI CONDUCTOR CABLES**
- K/2/C#16S  
 K (WHERE INDICATED) = NUMBER OF PAIRS  
 2/C#16S = TWO CONDUCTOR, 16 GAUGE, TWISTED SHIELDED PAIR
- K/3/C#16S  
 K (WHERE INDICATED) = NUMBER OF TRIPLETS  
 3/C#16S = THREE CONDUCTOR, 16 GAUGE, TWISTED SHIELDED TRIPLETS
- U|N|C-X (Ø) & INTEGRAL (G);MC  
 U = NUMBER OF PARALLEL RUNS  
 MC = MULTICONDUCTOR CABLE  
 N/C = NUMBER OF PHASE CONDUCTORS IN THE CABLE  
 X = SIZE OF CONDUCTORS
- FIBER OPTIC CABLES**
- FOIN  
 N = NUMBER OF INDIVIDUAL FIBERS

GROUNDING

- UNDERGROUND GROUND CABLE #4/0 SDBC UNLESS OTHERWISE NOTED
- GROUND ROD
- GROUND ROD AND GROUND WELL

MEDIUM VOLTAGE

- CIRCUIT BREAKER, MEDIUM VOLTAGE**  
 a = CIRCUIT BREAKER NUMBER  
 b = FRAME SIZE
- ANSI RELAY DEVICE**  
 a = ANSI DEVICE FUNCTION  
 b = QUANTITY
- MEDIUM VOLTAGE DISCONNECT SWITCH NON-FUSED CUT OUT**
- MEDIUM VOLTAGE DISCONNECTING FUSE SINGLE FUSE CUT OUT**
- MEDIUM VOLTAGE DISCONNECTING FUSE DOUBLE FUSE CUT OUT**
- MEDIUM VOLTAGE SINGLE FUSE**
- MEDIUM VOLTAGE DOUBLE FUSE**
- MEDIUM VOLTAGE LIVE FRONT TERMINATOR**
- MEDIUM VOLTAGE ELBOW**
- MEDIUM VOLTAGE TEE**
- MEDIUM VOLTAGE CONTACTOR**
- MEDIUM VOLTAGE STARTER**
- MOV-ELBOW ARRESTER**

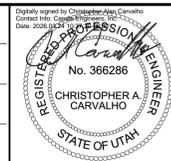
LOW VOLTAGE

- DESIG LOW VOLTAGE CIRCUIT BREAKER**  
 TYPE a = TYPE  
 a = MCP = MOTOR CIRCUIT PROTECTOR  
 b = THERMAL MAGNETIC  
 SS = SOLID STATE  
 b = FRAME SIZE (MANUFACTURER TO DETERMINE FRAME SIZE UNLESS INDICATED)  
 c = NUMBER OF POLES  
 d = TRIP SETTING (AT = AMP TRIP) (AC = MCP CONTINUOUS RATING)  
 e = DESIGNATION  
 f = INTERRUPTING RATING
- LOW VOLTAGE CIRCUIT BREAKER AUXILIARY OPERATOR**  
 \* = S = SHUNT TRIP  
 \* = G = GROUND FAULT INTERRUPTER  
 \* = V = SOLENOID KEY RELEASE
- DISCONNECT SWITCH**  
 A = TYPE, REFER TO DISCONNECT SCHEDULE
- FUSED DISCONNECT SWITCH**  
 B = TYPE, REFER TO DISCONNECT SCHEDULE  
 b = FUSE RATING
- FUSE**
- COMBINATION STARTER WITH CONTROL POWER TRANSFORMER**  
 a = CIRCUIT BREAKER DISCONNECT, TYPE AS NOTED  
 b = STARTER TYPE  
 REFER TO THE SPECIFICATIONS FOR STARTER DEFINITIONS.  
 c = NEMA STARTER SIZE  
 d = OVERLOAD
- MOTOR STARTER/DRIVES:**  
 a = DEVICE TYPE  
 VFD-6 = 6-PULSE VFD  
 VFD-18 = 18-PULSE VFD  
 VFD-RH = REDUCED HARMONIC VFD (18-PULSE OR ACTIVE FRONT END AS DEFINED IN THE SPECIFICATIONS)  
 RVSS = REDUCED VOLTAGE SOLID STATE STARTER  
 RVAT = REDUCED VOLTAGE AUTO TRANSFORMER  
 a/B = DEVICE WITH BYPASS STARTER. REFER TO THE SPECIFICATIONS
- b = INPUT OPTIONS  
 LL = LINE REACTOR  
 PHF = PASSIVE HARMONIC FILTER
- c = OUTPUT OPTIONS  
 LR = LOAD REACTOR  
 DV/DT = Dv/dt FILTER  
 SWF = SINE WAVE FILTER
- EQUIPMENT ENCLOSURE

MISCELLANEOUS

- MOTOR**  
 HP = HORSEPOWER RATING  
 FULL LOAD AMPS AS NOTED
- PACKAGED EQUIPMENT**  
 LOAD RATING AS INDICATED  
 a = RATED LOAD  
 b = UNIT(HP, KW, KVA) AS INDICATED
- TRANSFORMER**  
 a = DEVICE I.D.  
 KVA = KVA RATING  
 PHASE = NUMBER OF PHASES  
 PRI = PRIMARY VOLTAGE  
 SEC = SECONDARY VOLTAGE  
 f,g = CONNECTION TYPE SYMBOL  
 h = IMPEDANCE
- GROUNDING WYE CONNECTION**
- DELTA CONNECTION**
- ENGINE-GENERATOR RATINGS AS INDICATED ON THE DRAWINGS**  
 a = KVA/KW  
 b = VOLTAGE/CONNECTION  
 c = PHASE  
 d = WIRE  
 e = PF
- CURRENT TRANSFORMER WITH SHORTING TERMINAL BLOCK**  
 a = QUANTITY  
 b = RATIO
- POTENTIAL TRANSFORMER**  
 a = QUANTITY  
 b = RATIO  
 c,d = CONNECTION TYPE SYMBOL
- SOLID STATE MULTIFUNCTION METER**
- AMPERE TEST POINT**
- VOLTAGE TEST POINT**
- UTILITY METER**
- LIGHTNING ARRESTER**
- SURGE PROTECTIVE DEVICE**
- DRAWOUT CONNECTION**
- GROUND**
- CAPACITOR**
- BATTERY**
- KIRK KEY INTERLOCK**
- LOAD BANK**

LAST SAVED BY: evandorn



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 ELECTRICAL  
**ELECTRICAL LEGEND**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
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JOB NO. 202633  
 DRAWING NO. **GE01**  
 SHEET NO. 10 OF 152

ABBREVIATIONS

POWER DEVICE FUNCTION NUMBERS

A	AMP	J	JUNCTION BOX
ABS	ABSOLUTE	K	KEY INTERLOCK
AC	ALTERNATING CURRENT	KA	KILOAMP
ACK	ACKNOWLEDGE	KV	KILOVOLT
ACTR	ACTIONATOR	KVA	KILOVOLT AMPERE
AF	AMP FRAME	KVAR	KILOVAR (REACTANCE)
AFC	AUTOMATIC FREQUENCY CONTROL	KW	KILOWATT
AIG	AMP INTERRUPTING CAPACITY	KWD	KILOWATT DEMAND
AM	AMMETER	KWH	KILOWATT HOUR
ANN	ANNUNCIATOR	L	LONG-TIME
ANT	ANTENNA	L-B	LINE-BUS
APU	AUXILIARY POWER UNIT	L-G	LINE-GROUND
ARM	ARMORED CABLE	LA	LIGHTNING ARRESTOR
AS	AMMETER SWITCH	LBL	LABEL
ASYM	ASYMMETRICAL	LC	LIGHTING CONTACT OR
AT	AMP TRIP	LCP- X	LOCAL CONTROL PANEL NO. X
ATO	AUTOMATIC THROW OVER	LL	LEAD-LAG LOAD REACTOR
ATP	AMMETER TEST POINT	LP	LIGHT POLE
ATS	AUTOMATIC TRANSFER SWITCH	LP - X	LIGHTING PANEL NO. X
AUTO XFMR	AUTOMATIC TRANSFORMER	LTG	LIGHTING
AUX	AUXILIARY	LV	LOW VOLTAGE
AWG	AMERICAN WIRE GAGE	LVL	LEVEL
B	BELL	M-X	MOTOR CONTROLLER NO. X
BAT	BATTERY	MA	MILLIAMPERE
BFG	BELOW FINISHED GRADE	MCA	MOTOR CIRCUIT AMPS
BHP	BRAKE HORSEPOWER	MCC - X	MOTOR CONTROL CENTER NO. X
BKR	BREAKER	MCP	MOTOR CIRCUIT PROTECTOR
BRF	BELOW RAISED FLOOR	MH	MANHOLE / MOUNTING HEIGHT
C	CONDUIT / CONTINUOUS LOAD	MLO	MAIN LUGS ONLY
CB	CIRCUIT BREAKER	MOD	MOTOR OPERATED DAMPER
CCTV	CLOSED CIRCUIT TELEVISION	MOV	METAL OXIDE VARISTOR
CCW	COUNTER CLOCKWISE	MFR	MOTOR PROTECTION RELAY
CKT	CIRCUIT	MS-X	MOTOR STARTER NO. X
COAX	COAXIAL CABLE	MSP	MOTOR STARTING PANEL
COM	COMMON	MTO	MANUAL THROW OVER
COMM	COMMUNICATION	MTR-X	MOTOR NO. X
CPT	CONTROL POWER TRANSFORMER	MTS	MANUAL TRANSFER SWITCH
CR	CONTROLLED RECEPTACLE	MV	MEGAVOLT
CS	CONTROL SWITCH	MVA	MEGAVOLT-AMPERES
CT	CURRENT TRANSFORMER	MVS	MEDIUM VOLTAGE SWITCH
CV	CONTROL VALVE	MW	MEGAWATT
CW	CLOCKWISE / COOL WHITE	N	NEUTRAL
DC	DIRECT CURRENT	NC	NORMALLY CLOSED
DCS	DISTRIBUTED CONTROL SYSTEM	NEC	NATIONAL ELECTRICAL CODE
DCU - X	DISTRIBUTED CONTROL UNIT NO. X	NFC	NONMETALLIC FLEXIBLE CONDUIT
DEMO	DEMOLITION	NL	NIGHT LIGHT
DISC	DISCONNECT SWITCH	NO	NORMALLY OPEN
DM	DEMAND METER	NP	NAMEPLATE
DPDT	DOUBLE POLE DOUBLE THROW	O	OPEN OR OPENED
DPST	DOUBLE POLE SINGLE THROW	OH	OVERHEAD
DS	DOOR SWITCH	OL	OVERLOAD RELAY
E/G	EMERGENCY GENERATOR	P	POLE
EM	EMERGENCY	PA	PUBLIC ADDRESS
EMT	ELECTRICAL METALLIC TUBING	PB	PUSHBUTTON / PULL BOX
ENCL	ENCLOSURE	PCS	PVC COATED GALVANIZED STEEL CONDUIT
ENG	ENGINE	PCM	PROCESS CONTROL MODULE
ENT	ELECTRICAL NON-METALLIC TUBING	PE	PHOTOCELL
EP	EXPLOSION PROOF	PF	POWER FACTOR
ETM	ELAPSED TIME METER	PFCC	POWER FACTOR CORRECTION CAPACITOR
F	SUB-FED	PFR	PHASE FAILURE RELAY
FA	FIRE ALARM	PH	PHASE
FACP	FIRE ALARM CONTROL PANEL	PNL	PANEL
FDR	FEEDER	PPX	POWER PANEL NO. X
FLA	FULL LOAD AMPS	PRI	PRIMARY
FLX	FLEXIBLE CONDUIT	PT	POTENTIAL TRANSFORMER
FO	FIBER OPTIC	PVC	POLYVINYL CHLORIDE RIGID PLASTIC CONDUIT
FRC	FIBERGLASS RIGID CONDUIT	PWR	POWER
FREQ	FREQUENCY	RAC	RIGID ALUMINUM CONDUIT
FU	FUSE	RECPT	RECEPTACLE
FU	SW FUSED SWITCH	REV	REVERSE
FVNR	FULL VOLTAGE NON-REVERSING	RF	RADIO FREQUENCY
FVR	FULL VOLTAGE REVERSING	RMS	ROOT MEAN SQUARED
FWD	FORWARD	RVAT	REDUCED VOLTAGE AUTO TRANSFORMER
G	GROUND / EQUIPMENT GROUND / GROUND FAULT	RVNR	REDUCED VOLTAGE NON-REVERSING
GEN	GENERATOR	RVSS	REDUCED VOLTAGE SOLID STATE
GRC	GALVANIZED STEEL RIGID CONDUIT	S	SHIELD / SHORT-TIME
GFCI	GROUND FAULT CIRCUIT INTERRUPTER (RECEPTACLE)	SA	SURGE ARRESTER
GFI	GROUND FAULT INTERRUPTER (BREAKER)	SC	SHORT CIRCUIT
GFR	GROUND FAULT RELAY	SDBC	SOFT DRAWN BARE COPPER
H	HOT-LEG	SFL	SUB FEED LUGS
HF	HIGH FREQUENCY	SLT	SEALTIGHT LIQUIDTIGHT FLEXIBLE CONDUIT
HP	HORSEPOWER	SM	SURFACE MOUNTED
HPS	HIGH PRESSURE SODIUM	SP	SINGLE POLE
HR	HOUR	SPD	SURGE PROTECTIVE DEVICE
HSTAT	HUMIDISTAT	SPDT	SINGLE POLE DOUBLE THROW
HV	HIGH VOLTAGE	SPST	SINGLE POLE SINGLE THROW
HVAC	HEATING/VENTILATION/AIR CONDITIONING	SPKR	SPEAKER
HZ	HERTZ	SS	SOLID STATE
I	INSTANTANEOUS / INTERMITTENT LOAD	STB	SHORTING TERMINAL BLOCK
IC	INTERRUPTING CAPACITY	SW	SWITCH
IBJ	INSTRUMENT JUNCTION BOX	SWBD	SWITCHBOARD
IMC	INTERMEDIATE METAL CONDUIT	SWGR	SWITCHGEAR
INST	INSTANTANEOUS	SYM	SYMMETRICAL
INT	INTERLOCK		
INTERCOM	INTERCOMMUNICATION		

TACH	TACHOMETER
TB - X	TERMINAL BLOCK - UNIT X
TC	THERMOCOUPLE / TIME CLOCK / TRAY CABLE
TD	TEMPERATURE DETECTOR RELAY
TE	TOTALLY ENCLOSED
TEFC	TOTALLY ENCLOSED FAN COOLED
TENV	TOTALLY ENCLOSED NON-VENTILATED
TERM	TERMINAL
TJB	TERMINAL JUNCTION BOX
TM	THERMAL MAGNETIC
TP	TWISTED PAIR
TS	TEMPERATURE SWITCH
TS1W	TWO SPEED CONSEQUENT POLE, ONE WINDING
TS2W	TWO SPEED SEPARATE WINDING
TSTAT	THERMOSTAT
UHF	ULTRA HIGH FREQUENCY
UNG	UNGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
UVR	UNDER VOLTAGE RELAY
V	VOLT
VA	VOLT AMPERE
VAR	VARMETER
VCP	VENDOR CONTROL PANEL
VFD	VARIABLE FREQUENCY DRIVE
VHF	VERY HIGH FREQUENCY
VM	VOLTMETER
VP	VAPORPROOF
VR	VOLTAGE REGULATOR
VS	VOLTAGE SWITCH
VT	VOLTAGE TRANSFORMER
VTP	VOLTAGE TEST POINT
W	WATT / WEST
WT	WATER TIGHT
WP	WEATHER PROOF
XFMR	TRANSFORMER

1	MASTER ELEMENT	83	AUTOMATIC SELECTIVE CONTROL OR TRANSFER RELAY
2	TIME-DELAY STARTING OR CLOSING RELAY	84	OPERATING MECHANISM
3	CHECKING OR INTERLOCKING RELAY	85	PILOT COMMUNICATIONS, CARRIER OR PILOT-WIRE RELAY
4	MASTER CONTACTOR	86	LOCKOUT RELAY
5	STOPPING DEVICE	87	DIFFERENTIAL PROTECTIVE RELAY
6	STARTING CIRCUIT BREAKER	88	AUXILIARY MOTOR OR MOTOR GENERATOR
7	ANODE CIRCUIT BREAKER	89	LINE SWITCH
8	CONTROL POWER DISCONNECTING DEVICE	90	REGULATING DEVICE
9	REVERSING DEVICE	91	VOLTAGE DIRECTIONAL RELAY
10	UNIT SEQUENCE SWITCH	92	VOLTAGE AND POWER DIRECTIONAL RELAY
11	MULTIFUNCTION DEVICE	93	FIELD-CHANGING CONTACTOR
12	OVER-SPEED DEVICE	94	TRIPPING OR TRIP-FREE RELAY
13	SYNCHRONOUS-SPEED DEVICE		
14	UNDER-SPEED DEVICE		
15	SPEED OR FREQUENCY MATCHING DEVICE		
16	DATA COMMUNICATIONS DEVICE		
17	SHUNTING OR DISCHARGE SWITCH		
18	ACCELERATING OR DECELERATING DEVICE		
19	STARTING-TO-RUNNING TRANSITION CONTACTOR		
20	ELECTRICALLY OPERATED VALVE		
21	DISTANCE RELAY		
22	EQUALIZER CIRCUIT BREAKER		
23	TEMPERATURE CONTROL DEVICE		
24	VOLTS PER HERTZ RELAY		
25	SYNCHRONIZING OR SYNCHRONISM-CHECK DEVICE		
26	APPARATUS THERMAL DEVICE		
27	UNDERVOLTAGE RELAY		
27N	GROUND FAULT UNDERVOLTAGE RELAY		
28	FLAME DETECTOR		
29	ISOLATING CONTACTOR		
30	ANNUNCIATOR RELAY		
31	SEPARATE EXCITATION DEVICE		
32	DIRECTIONAL POWER RELAY		
33	POSITION SWITCH		
34	MASTER SEQUENCE DEVICE		
35	BRUSH-OPERATING OR SLIP-RING SHORT-CIRCUITING DEVICE		
36	POLARITY DEVICE		
37	UNDERCURRENT OR UNDERPOWER RELAY		
38	BEARING PROTECTIVE DEVICE		
39	MECHANICAL CONDITION MONITOR		
40	FIELD RELAY		
41	FIELD CIRCUIT BREAKER		
42	RUNNING CIRCUIT BREAKER		
43	MANUAL TRANSFER OR SELECTOR DEVICE		
44	UNIT SEQUENCE STARTING RELAY		
45	ABNORMAL ATMOSPHERIC CONDITION MONITOR		
46	REVERSE-PHASE OR BALANCE CURRENT RELAY		
47	PHASE-BALANCE OR PHASE-SEQUENCE VOLTAGE RELAY		
48	INCOMPLETE SEQUENCE RELAY		
49	MACHINE OR TRANSFORMER THERMAL RELAY		
50	INSTANTANEOUS OVERCURRENT RELAY		
51	AC TIME OVERCURRENT RELAY		
52	AC CIRCUIT BREAKER		
53	FIELD EXCITATION RELAY		
54	TURNING GEAR ENGAGING DEVICE		
55	POWER FACTOR RELAY		
56	FIELD APPLICATION RELAY		
57	SHORT-CIRCUITING OR GROUNDING DEVICE		
58	RECTIFICATION FAILURE RELAY		
59	OVERVOLTAGE RELAY		
60	VOLTAGE OR CURRENT BALANCE RELAY		
61	DENSITY SWITCH OR SENSOR		
62	TIME-DELAY STOPPING OR OPENING RELAY		
63	PRESSURE SWITCH		
64	GROUND DETECTOR RELAY		
65	GOVERNOR		
66	NOTCHING OR JOGGING DEVICE		
67	AC DIRECTIONAL OVERCURRENT RELAY		
68	BLOCKING OR OUT OF STEP RELAY		
69	PERMISSIVE CONTROL DEVICE		
70	RHEOSTAT		
71	LIQUID LEVEL SWITCH		
72	DC CIRCUIT BREAKER		
73	LOAD-RESISTOR CONTACTOR		
74	ALARM RELAY		
75	POSITION CHANGING MECHANISM		
76	DC OVERCURRENT RELAY		
77	TELEMETERING DEVICE		
78	PHASE-ANGLE MEASURING RELAY		
79	AC RECLOSING RELAY		
80	FLOW SWITCH		
81	FREQUENCY RELAY		
82	DC LOAD MEASURING RECLOSING RELAY		

COMMONLY USED SUFFIX LETTERS APPLIED TO POWER DEVICE FUNCTION NUMBERS

A	ALARM ONLY
B	BUS PROTECTION
G	GROUND FAULT PROTECTION
GS	(RELAY CT IN A SYSTEM NEUTRAL CIRCUIT OR GENERATOR PROTECTION)
L	LINE PROTECTION
M	MOTOR PROTECTION
N	GROUND FAULT PROTECTION (RELAY COIL CONNECTED IN RESIDUAL CT CIRCUIT)
T	TRANSFORMER PROTECTION
V	VOLTAGE
P	PHASE PROTECTION

ABBREVIATIONS

AFD	- ARC FLASH DETECTOR
CLK	- CLOCK OR TIMING SOURCE
DDR	- DYNAMIC DISTURBANCE RECORDER
DFR	- DIGITAL FAULT RECORDER
ENV	- ENVIRONMENTAL DATA
HIZ	- HIGH IMPEDANCE FAULT DETECTOR
HMI	- HUMAN MACHINE INTERFACE
HST	- HISTORIAN
LGC	- SCHEME LOGIC
MET	- SUBSTATION METERING
PDC	- PHASOR DATA CONCENTRATOR
PMU	- PHASOR MEASUREMENT UNIT
PQM	- POWER QUALITY MONITOR
RIO	- REMOTE I/O DEVICE
RTU	- REMOTE TELEMETRY UNIT/REMOTE TERMINAL UNIT
SER	- SEQUENCE OF EVENTS RECORDER
TCM	- TRIP CIRCUIT MONITOR

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

DESIGNED	CAC		
DRAWN	TLM		
CHECKED	JGB		
DATE	MARCH 2026		
REV	DATE	BY	DESCRIPTION
1			
2			
3			

Digitally signed by Christopher A. Carvalho  
Contact info: [Carvalho@carollo.com](mailto:Carvalho@carollo.com)  
www.carollo.com  
REGISTERED PROFESSIONAL ENGINEER  
No. 366286  
CHRISTOPHER A. CARVALHO  
STATE OF UTAH

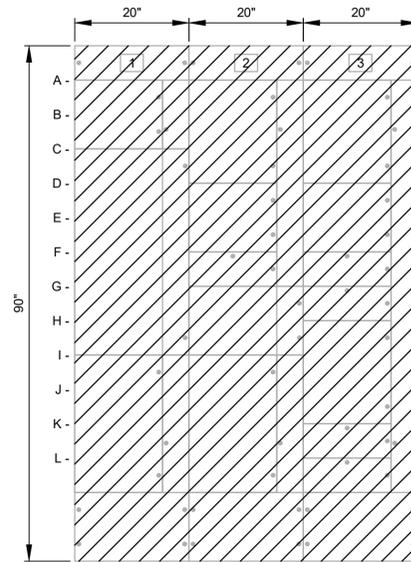


South Valley  
WATER RECLAMATION FACILITY  
7495 South 1300 West  
West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
ABBREVIATIONS

VERIFY SCALES	JOB NO. 202633
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. GE02
0 1"	SHEET NO. 11 OF 152
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CHEMICAL BUILDING  
**CB-MCC ELEVATION**

- |                               |                                 |  |
|-------------------------------|---------------------------------|--|
| 1A- ROOF VENTILATION FAN F-5  | 2A- EXHAUST DAN F-4             | 3A- ROOF TOP AIR CONDITIONER               |
| 1C- AUTOMATIC TRANSFER SWITCH | 2B- EXHAUST FAN F-6             | 3D- EXHAUST FAN F-7                        |
| 1I- MAIN BREAKER FROM ES-1    | 2C- TRANSFER SWITCH MAIN FEEDER | 3E- ROLL-UP DOORS RD 1, 2, 3               |
|                               | 2D- 4 CIRCUIT PANELBOARD        | 3F- LIGHTING PANEL SC (TR-CB-SC & LP-SC-1) |
|                               | 2E- TRANSFORMER TR-CB-CP        | 3G- SPARE                                  |
|                               |                                 | 3H- TRANSFORMER TR-CB3                     |
|                               |                                 | 3K- 4EUH 3&4                               |
|                               |                                 | 3L- 4EUH 1&2                               |

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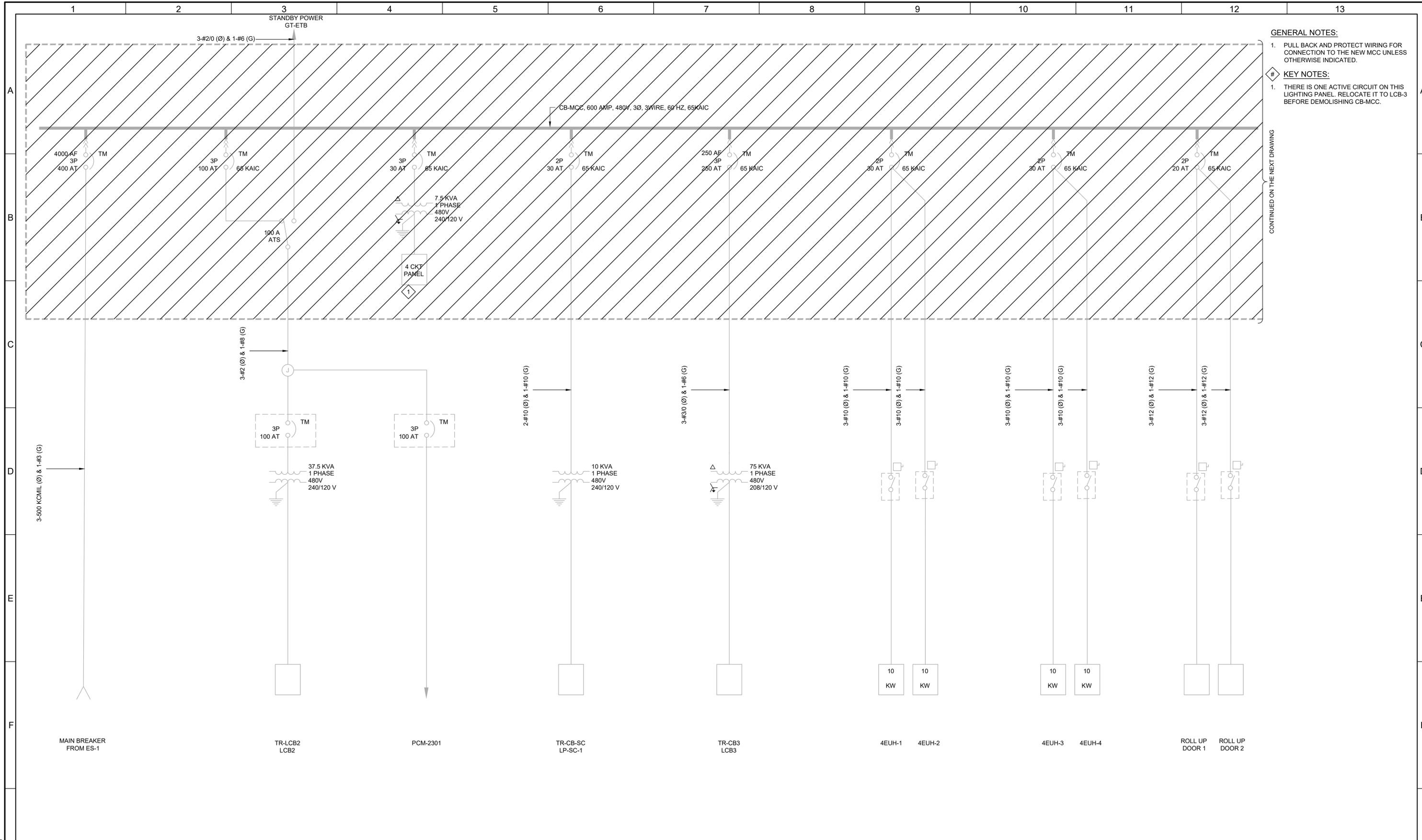


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SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
CB-MCC DEMOLITION ELEVATION

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JOB NO.  
202633  
DRAWING NO.  
**D-OL-CB-1**  
SHEET NO.  
12 OF 152



- GENERAL NOTES:**
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.
- KEY NOTES:**
- THERE IS ONE ACTIVE CIRCUIT ON THIS LIGHTING PANEL. RELOCATE IT TO LCB-3 BEFORE DEMOLISHING CB-MCC.

CONTINUED ON THE NEXT DRAWING

REV	DATE	BY	DESCRIPTION
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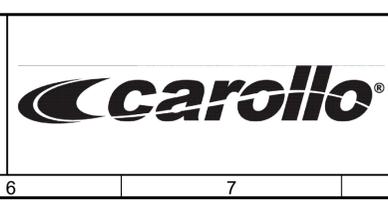
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DATE  
MARCH 2026

REGISTERED PROFESSIONAL ENGINEER  
CHRISTOPHER A. CARVALHO  
No. 366286  
STATE OF UTAH



**South Valley**  
WATER RECLAMATION FACILITY  
7495 South 1300 West  
West Jordan, Utah 84084

**SOUTH VALLEY WATER RECLAMATION**  
**MCC REPLACEMENT PROJECT**  
ELECTRICAL  
**CB-MCC**  
**DEMOLITION ONE-LINE DIAGRAM 1**

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202633

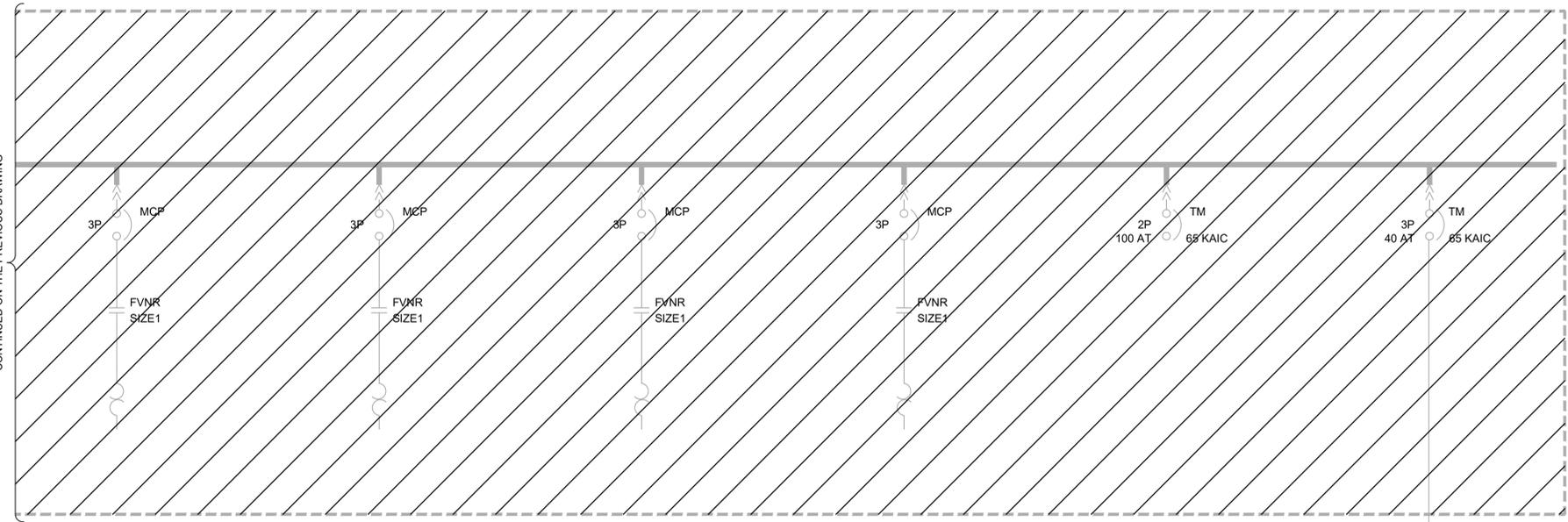
DRAWING NO.  
**D-OL-CB-2**

SHEET NO.  
13 OF 152

LAST SAVED BY: evandorn

**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED

CONTINUED ON THE PREVIOUS DRAWING



3-#8 (Ø) & 1-#10 (G)



EXHAUST FAN  
F-6

EXHAUST FAN  
F-7

ROOF VENTILATION  
F-5

EXHAUST FAN  
F-4

SPARE

ROOF TOP AIR  
CONDITIONER

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REV	DATE	BY	DESCRIPTION

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DATE  
MARCH 2026

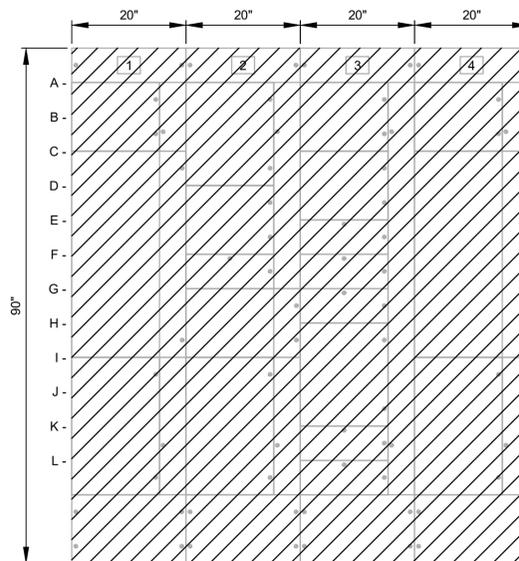


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SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**CB-MCC**  
 DEMOLITION ONE-LINE DIAGRAM 2

VERIFY SCALES  
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JOB NO.  
202633  
 DRAWING NO.  
**D-OL-CB-3**  
 SHEET NO.  
14 OF 152



UTILITY WATER PUMP STATION  
**CC-MCC-A ELEVATION**

- 1A- UTILITY WATER PUMP UWP-3313
- 2A- SPACE
- 3A- SPARE
- 4A- SAMPLE PUMP P-6
- 1C- ROOF A/C CONDENSER
- 2C- SPACE
- 3F- EXHAUST FAN F-2
- 4B- AUTOMATIC TRANSFER SWITCH
- 1D- LTG TRANSFORMER TR-CC-LC & PANEL LC
- 2G- UTILITY WATER PUMP UWP-3311
- 3I- MAIN BREAKER FROM ES-1
- 4C- EMERGENCY POWER FEED
- 1E- A/C FAN UNIT
- 1G- RECIRCULATION PUMP M-RP
- 1I- SAMPLE PUMP P-5
- 1K- SPACE
- 1L- SPACE

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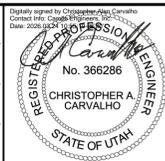
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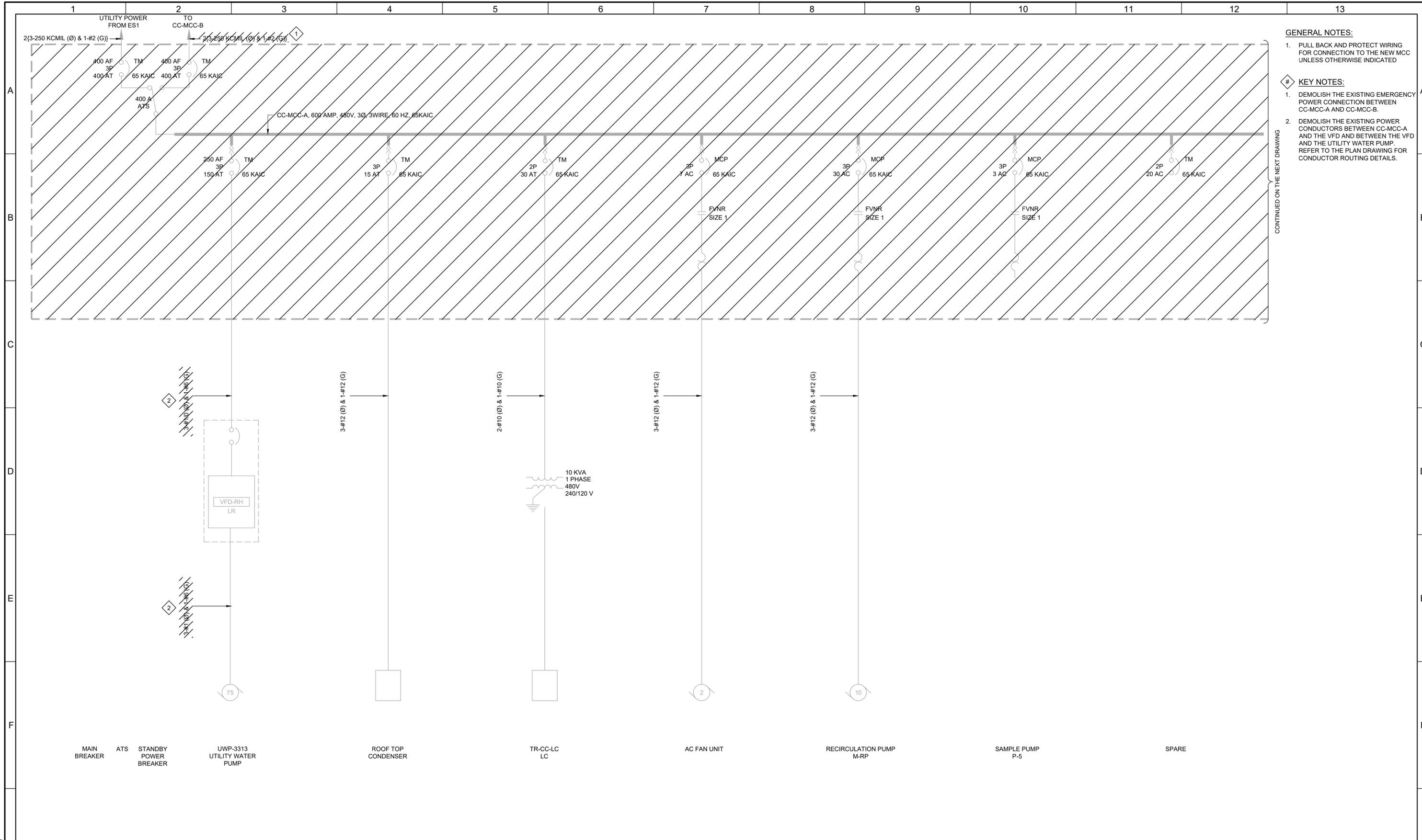
SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**CC-MCC-A DEMOLITION ELEVATION**

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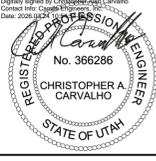
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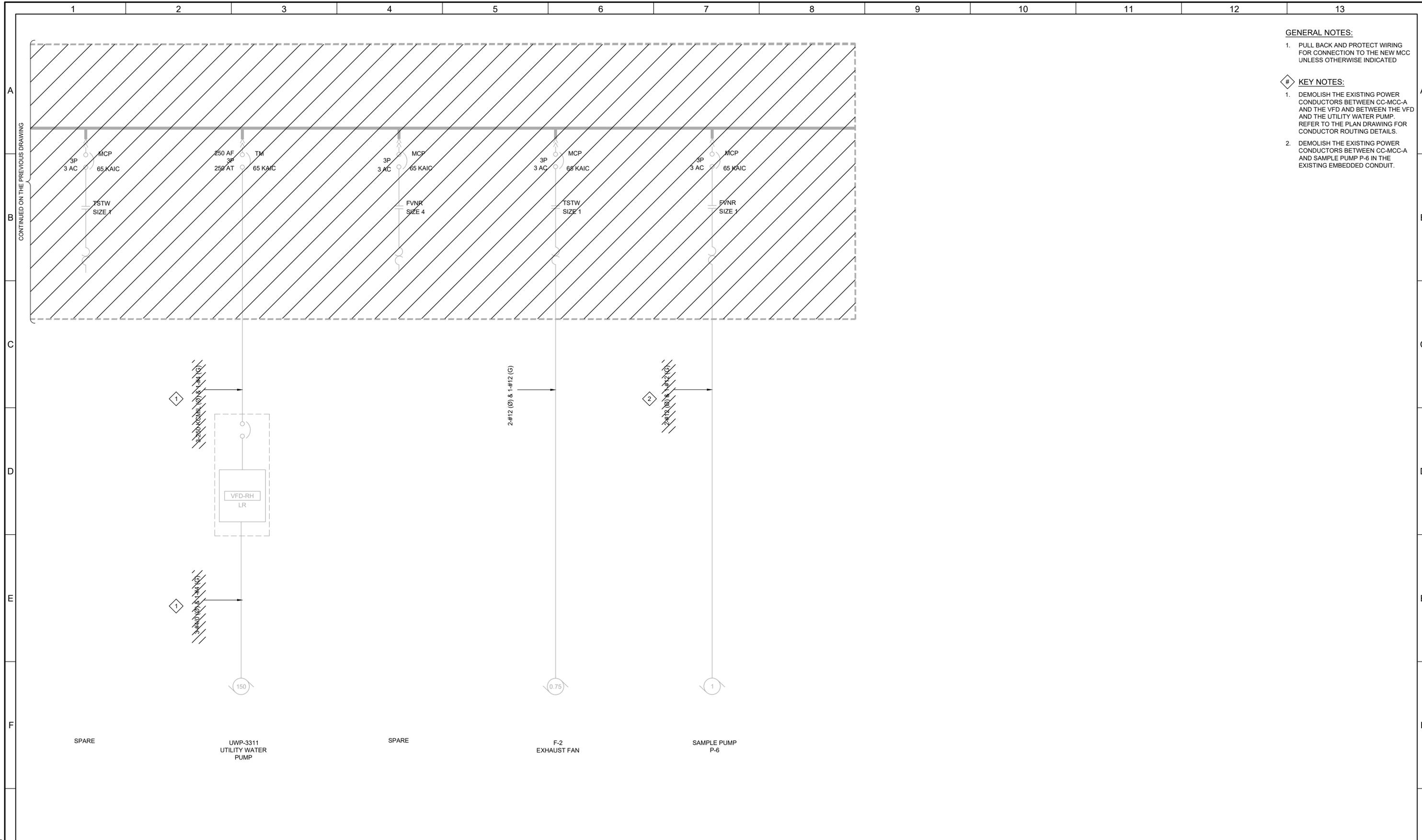
SHEET NO.  
15 OF 152



- GENERAL NOTES:**
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED
- KEY NOTES:**
- DEMOLISH THE EXISTING EMERGENCY POWER CONNECTION BETWEEN CC-MCC-A AND CC-MCC-B.
  - DEMOLISH THE EXISTING POWER CONDUCTORS BETWEEN CC-MCC-A AND THE VFD AND BETWEEN THE VFD AND THE UTILITY WATER PUMP. REFER TO THE PLAN DRAWING FOR CONDUCTOR ROUTING DETAILS.

CONTINUED ON THE NEXT DRAWING

LAST SAVED BY: evandoom REV    DATE    BY    DESCRIPTION	DESIGNED CAC DRAWN PLU CHECKED  DATE MARCH 2026	Digitally signed by Christopher A. Carvalho Contact Info: CAC@carollo.com Date: 2026.03.04 10:00:00 -0500  CHRISTOPHER A. CARVALHO REGISTERED PROFESSIONAL ENGINEER STATE OF UTAH		 South Valley WATER RECLAMATION FACILITY 7495 South 1300 West West Jordan, Utah 84084	SOUTH VALLEY WATER RECLAMATION MCC REPLACEMENT PROJECT ELECTRICAL <b>CC-MCC-A</b> <b>DEMOLITION ONE-LINE DIAGRAM 1</b>	VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING  1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 202633 DRAWING NO. <b>D-OL-CC-2</b> SHEET NO. 16 OF 152
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- GENERAL NOTES:**
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED
- KEY NOTES:**
- DEMOLISH THE EXISTING POWER CONDUCTORS BETWEEN CC-MCC-A AND THE VFD AND BETWEEN THE VFD AND THE UTILITY WATER PUMP. REFER TO THE PLAN DRAWING FOR CONDUCTOR ROUTING DETAILS.
  - DEMOLISH THE EXISTING POWER CONDUCTORS BETWEEN CC-MCC-A AND SAMPLE PUMP P-6 IN THE EXISTING EMBEDDED CONDUIT.

CONTINUED ON THE PREVIOUS DRAWING

REV	DATE	BY	DESCRIPTION
1			
2			
3			

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CAC

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DATE  
MARCH 2026

Digitally signed by Christopher A. Carvalho  
Contact info: [Carvalho@carollo.com](mailto:Carvalho@carollo.com)  
Date: 2026.03.04 10:05:00 -0700

**REGISTERED PROFESSIONAL ENGINEER**  
No. 366286  
CHRISTOPHER A. CARVALHO  
STATE OF UTAH



**SV South Valley**  
WATER RECLAMATION FACILITY  
7495 South 1300 West  
West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
CC-MCC-A  
DEMOLITION ONE-LINE DIAGRAM 2

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202633

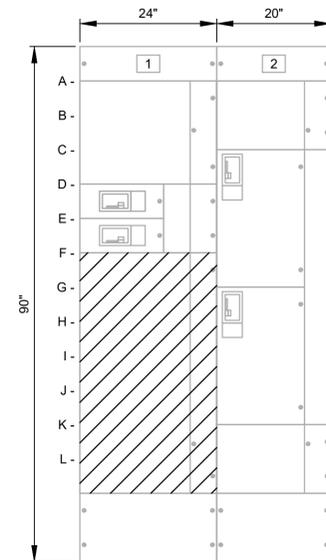
DRAWING NO.  
**D-OL-CC-3**

SHEET NO.  
17 OF 152

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**GENERAL NOTES:**

1. GE EVOLUTION SERIES 900 MCC.



**CC-MCC-B ELEVATION**

UTILITY WATER PUMP STATION

- |                                       |  |
|---------------------------------------|--|
| 1A- SPACE                             | 2A- SPACE                              |
| 1D- UWP-3314<br>UTILITY WATER<br>PUMP | 2C- UTILITY POWER<br>MAIN BREAKER      |
| 1E- UWP-3312<br>UTILITY WATER<br>PUMP | 2G- EMERGENCY<br>POWER MAIN<br>BREAKER |
| 1F- AUTOMATIC<br>TRANSFER<br>SWITCH   | 2J- EMERGENCY<br>POWER BUS             |

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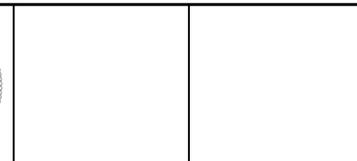
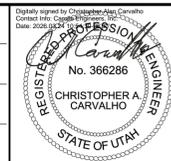
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MARCH 2026



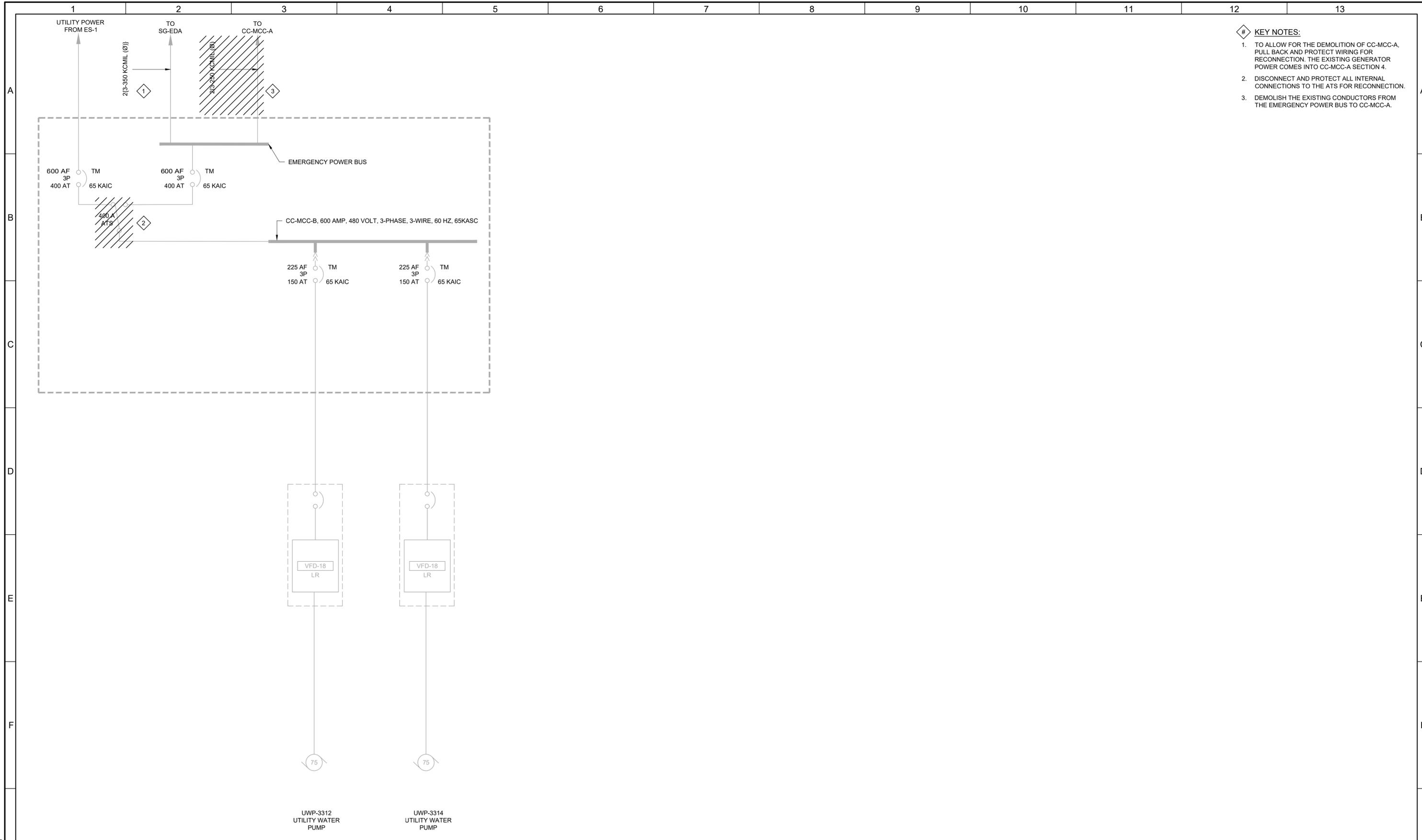
**SOUTH VALLEY WATER RECLAMATION**  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
**CC-MCC-B DEMOLITION ELEVATION**

VERIFY SCALES  
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-CC-4**

SHEET NO.  
18 OF 152



- # KEY NOTES:
1. TO ALLOW FOR THE DEMOLITION OF CC-MCC-A, PULL BACK AND PROTECT WIRING FOR RECONNECTION. THE EXISTING GENERATOR POWER COMES INTO CC-MCC-A SECTION 4.
  2. DISCONNECT AND PROTECT ALL INTERNAL CONNECTIONS TO THE ATS FOR RECONNECTION.
  3. DEMOLISH THE EXISTING CONDUCTORS FROM THE EMERGENCY POWER BUS TO CC-MCC-A.

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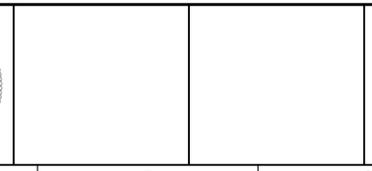
REV	DATE	BY	DESCRIPTION

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CAC

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CGR

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DATE  
MARCH 2026



7495 South 1300 West  
West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
CC-MCC-B  
DEMOLITION ONE-LINE DIAGRAM

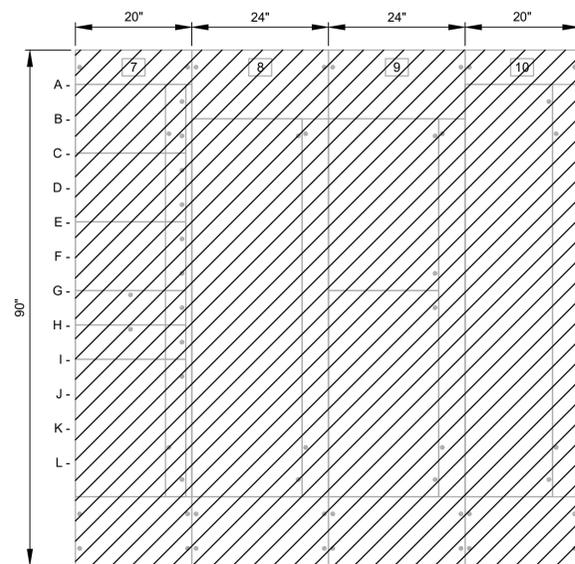
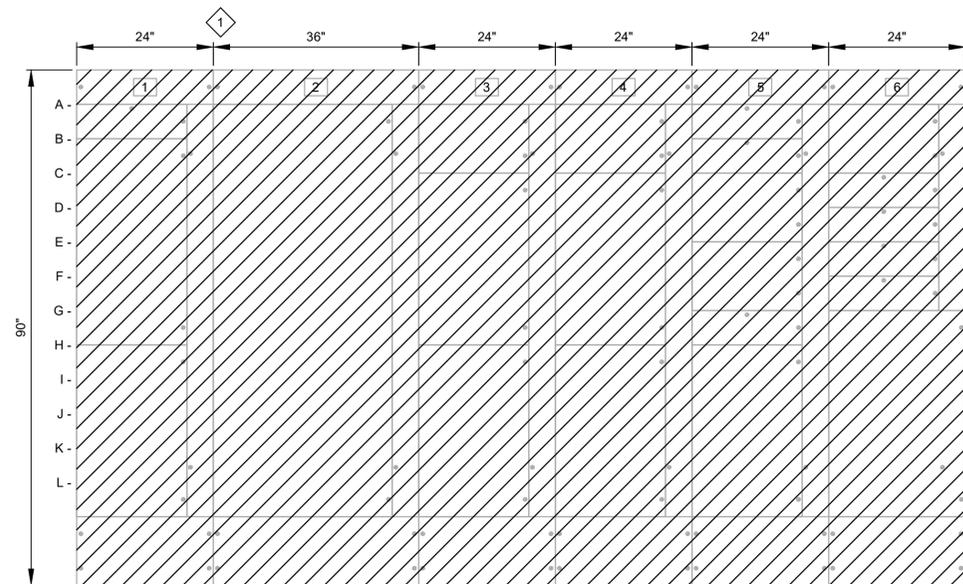
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-CC-5**

SHEET NO.  
19 OF 152

**KEY NOTES:**  
 1. THE FIRST 60-INCHES OF THE EXISTING MCC IS 30-INCHES DEEP.



**HW-MCC-A ELEVATION**

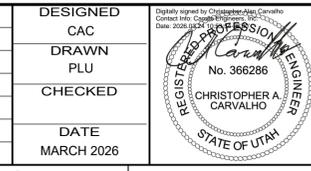
HEADWORKS

1B- GENERATOR BREAKER SG-EDB-2	2B- 1600A ATS	3A- SPACE	4A- SPACE	5A- SPACE	6A- SPARE	7A- SPACE	8B- SPACE	9B- HW-P-7	10A- MCC-100
1H- MAIN BREAKER ES-2		3E- P-4	4C- INFLUENT PUMP (FUTURE)	5B- SPACE	6C- SPACE	7C- SPACE		9G- SPACE	
			4G- SPACE	5C- PMP-0161	6D- AIR COMPRESSOR ACU-600	7E- SPACE			
				5E- PMP-0171	6E- PRESSURE WASHER	7G- LP-XFMR			
				5G- SOUTH BOILER BL-0161	6F- PANEL LHW-1	7H- DUMP STATION			
				5H- NORTH BOILER BL-0171	6G- P-6	7I- HW-F-5			
				5I- HW-MCC-D					

**HW-MCC-A BACK**

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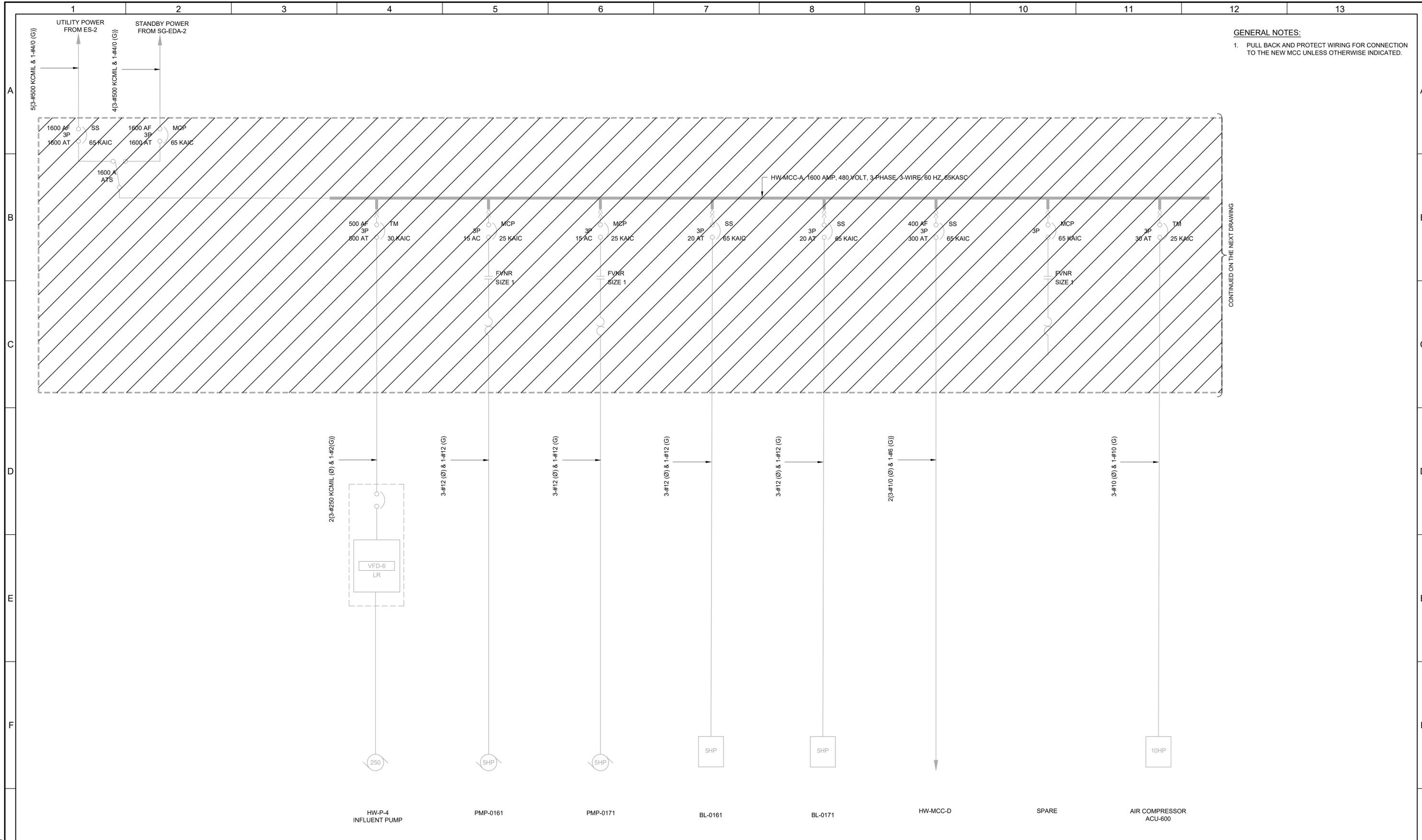
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DRAWN	PLU
CHECKED	
DATE	MARCH 2026



**South Valley**  
 WATER RECLAMATION FACILITY  
 7495 South 1300 West  
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
 HW-MCC-A DEMOLITION ELEVATION

VERIFY SCALES	JOB NO. 202633
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. <b>D-OL-HW-1</b>
0 1"	SHEET NO. 20 OF 152



**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.

CONTINUED ON THE NEXT DRAWING

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REV	DATE	BY	DESCRIPTION
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DATE MARCH 2026	

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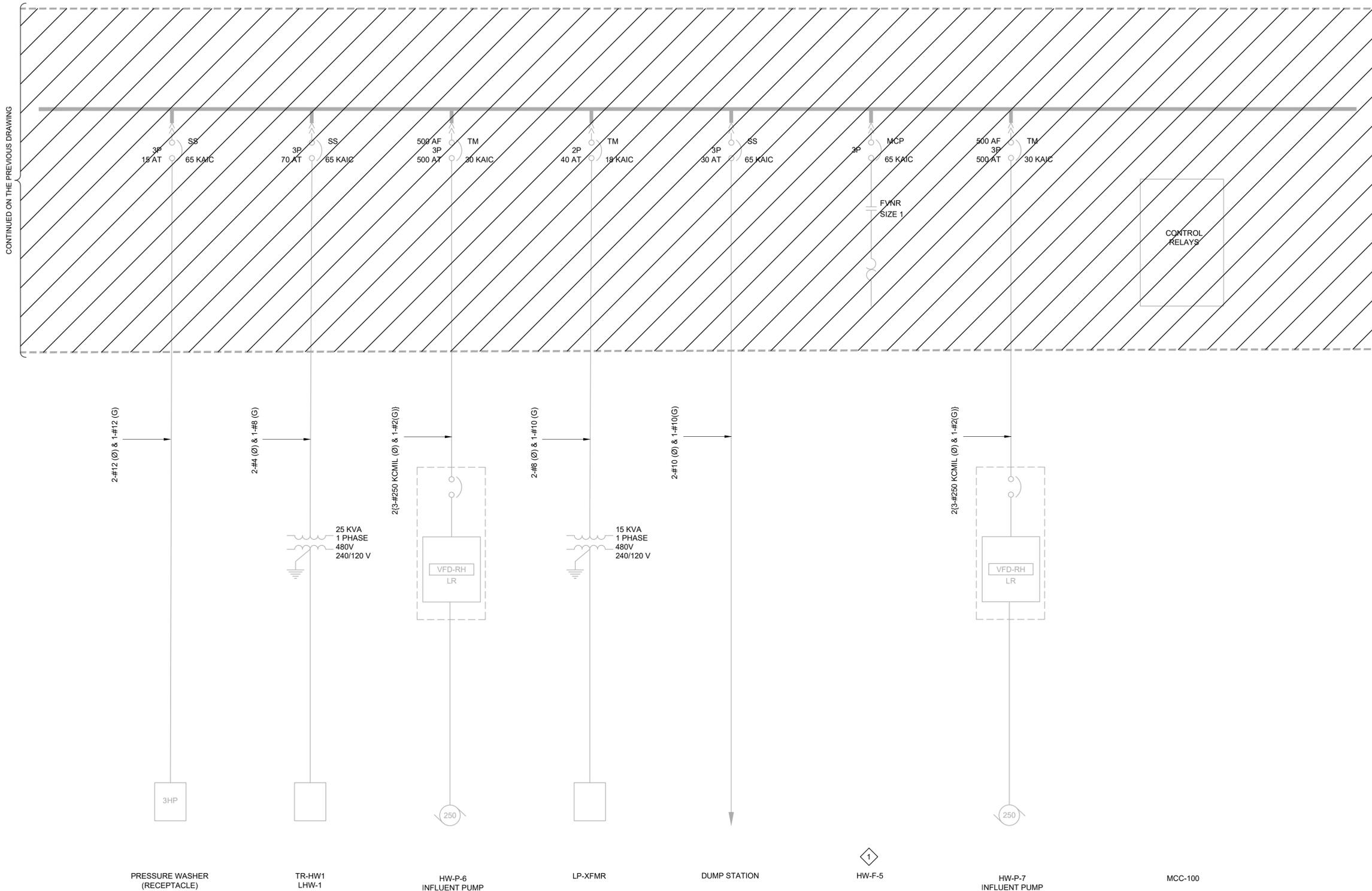
**South Valley**  
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 7495 South 1300 West  
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**HW-MCC-A**  
 DEMOLITION ONE-LINE DIAGRAM 1

VERIFY SCALES	JOB NO. 202633
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. <b>D-OL-HW-2</b>
0  1"	SHEET NO. 21 OF 152
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	

- GENERAL NOTES:**
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.

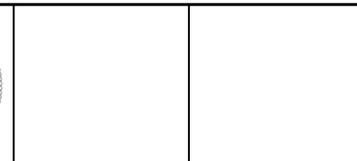
- KEY NOTES:**
- THE LOAD HAS BEEN DISCONNECTED.



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3			

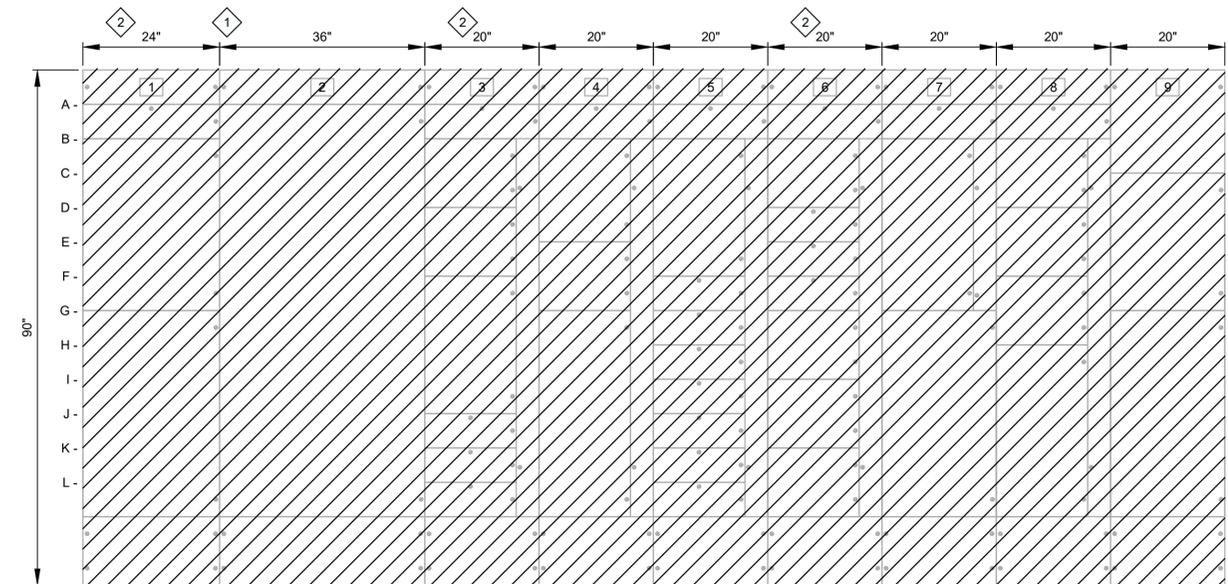
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CHECKED	
DATE MARCH 2026	



**SOUTH VALLEY WATER RECLAMATION**  
**MCC REPLACEMENT PROJECT**  
 ELECTRICAL  
**HW-MCC-A**  
**DEMOLITION ONE-LINE DIAGRAM 3**

VERIFY SCALES	JOB NO. 202633
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. <b>D-OL-HW-2</b>
0 1"	SHEET NO. 22 OF 152
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	

- # KEY NOTES:
1. THE FIRST 60-INCHES OF THE EXISTING MCC IS 30-INCHES DEEP.
  2. APPROXIMATE LOCATION OF CONDUIT AND WIREWAY SUPPORTS. PROVIDE TEMPORARY SUPPORTS TO ALLOW FOR DEMOLITION OF THE MCC.

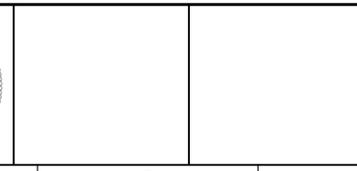
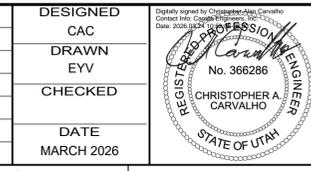


**HW-MCC-B ELEVATION**

1A- GENERATOR BREAKER SG-EDB-1	2A- 2000A ATS	3B- DEWATERING PUMP HW-P-8	4B- EXHAUST FAN F-1	5B- BELT CONVEYOR HW-ME-5	6B- SPACE	7A- SEAL WATER CONTROLS	8B- SEAL WATER BOOSTER PUMP HW-P-101	9C- HW-MCC-C
1G- MAIN BREAKER ES-2		3D- HEADWORKS FAN HW-F-1	4E- HEADWORKS FAN HW-F-3	5F- 30A SPARE	6D- SUMP PUMPS HW-P-9 AND HW-P-10	7G- HW-P-3	8D- SEAL WATER BOOSTER PUMP HW-P-102	9G- SPACE
		3F- BLOWER HW-B-3	4G- HW-P-2	5G- 30A SPARE	6E- SURGE PROTECTION		8F- HEADWORKS FAN 4 HW-F-4	
		3J- GRIT SCREW		5H- 30A SPARE	6F- GD COMPRESSOR ACU-601		8H- HW-P-5	
		3K- ROOF EVAP COOLER		5I- PANEL SGP	6G- HEADWORKS HW-F-6			
		3L- 30A SPARE		5J- BRIDGE CRANE HW-ME-19	6I- CIRCULATION PUMP HW-P-12			
				5K- PANEL LWH-2	6K- CIRCULATION PUMP HW-P-11			
				5L- OVERHEAD DOOR AND POLE LIGHTS				

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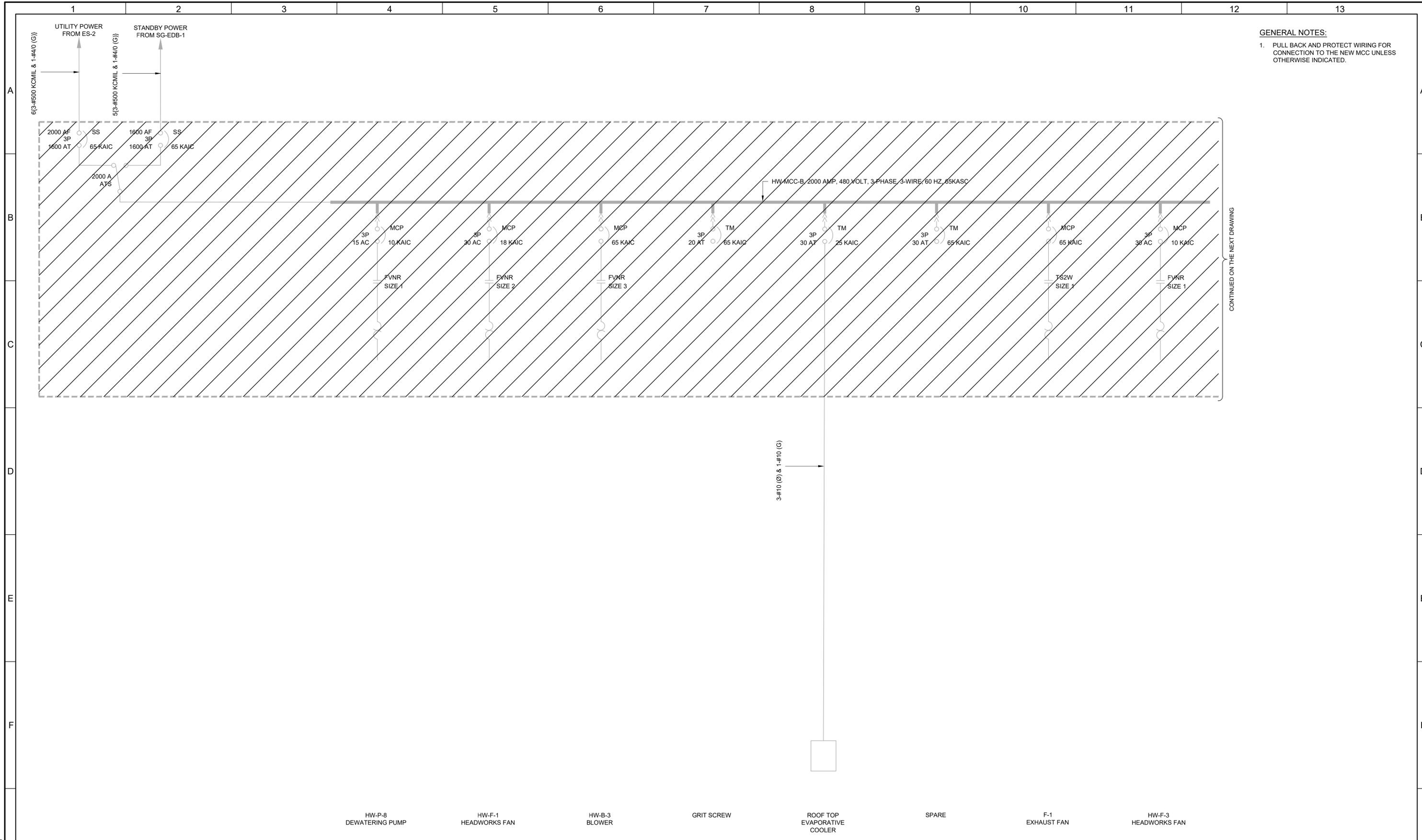
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**South Valley**  
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SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
HW-MCC-B DEMOLITION ELEVATION

VERIFY SCALES	JOB NO. 202633
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. <b>D-OL-HW-4</b>
0 1"	SHEET NO. 23 OF 152



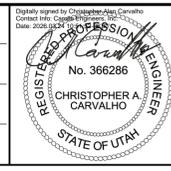
**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.

LAST SAVED BY: evandboom

HW-P-8 DEWATERING PUMP      HW-F-1 HEADWORKS FAN      HW-B-3 BLOWER      GRIT SCREW      ROOF TOP EVAPORATIVE COOLER      SPARE      F-1 EXHAUST FAN      HW-F-3 HEADWORKS FAN

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 DATE MARCH 2026



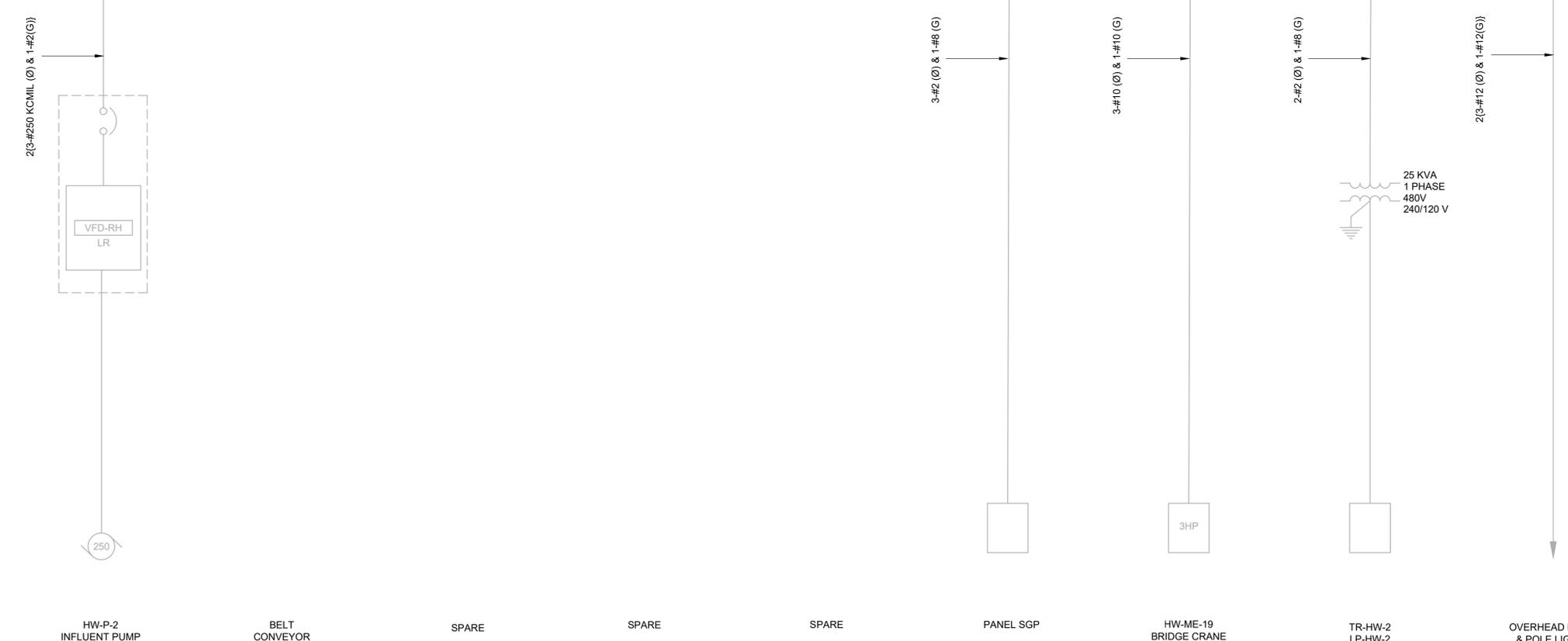
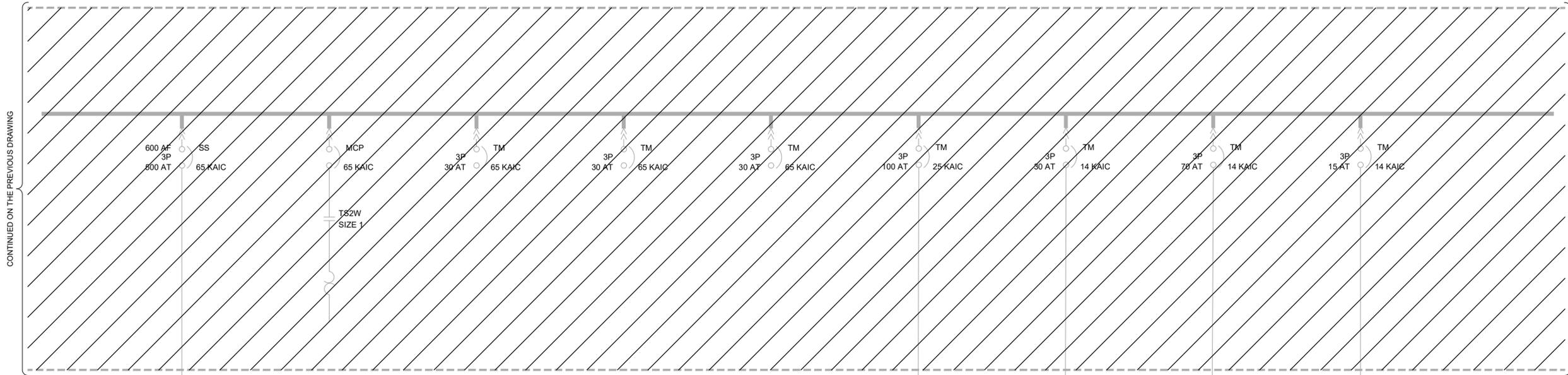
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 7495 South 1300 West  
 West Jordan, Utah 84084

**SOUTH VALLEY WATER RECLAMATION**  
**MCC REPLACEMENT PROJECT**  
 ELECTRICAL  
**HW-MCC-B**  
**DEMOLITION ONE-LINE DIAGRAM 1**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 202633  
 DRAWING NO. **D-OL-HW-5**  
 SHEET NO. 24 OF 152

**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.



LAST SAVED BY: evandboom

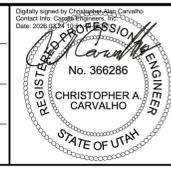
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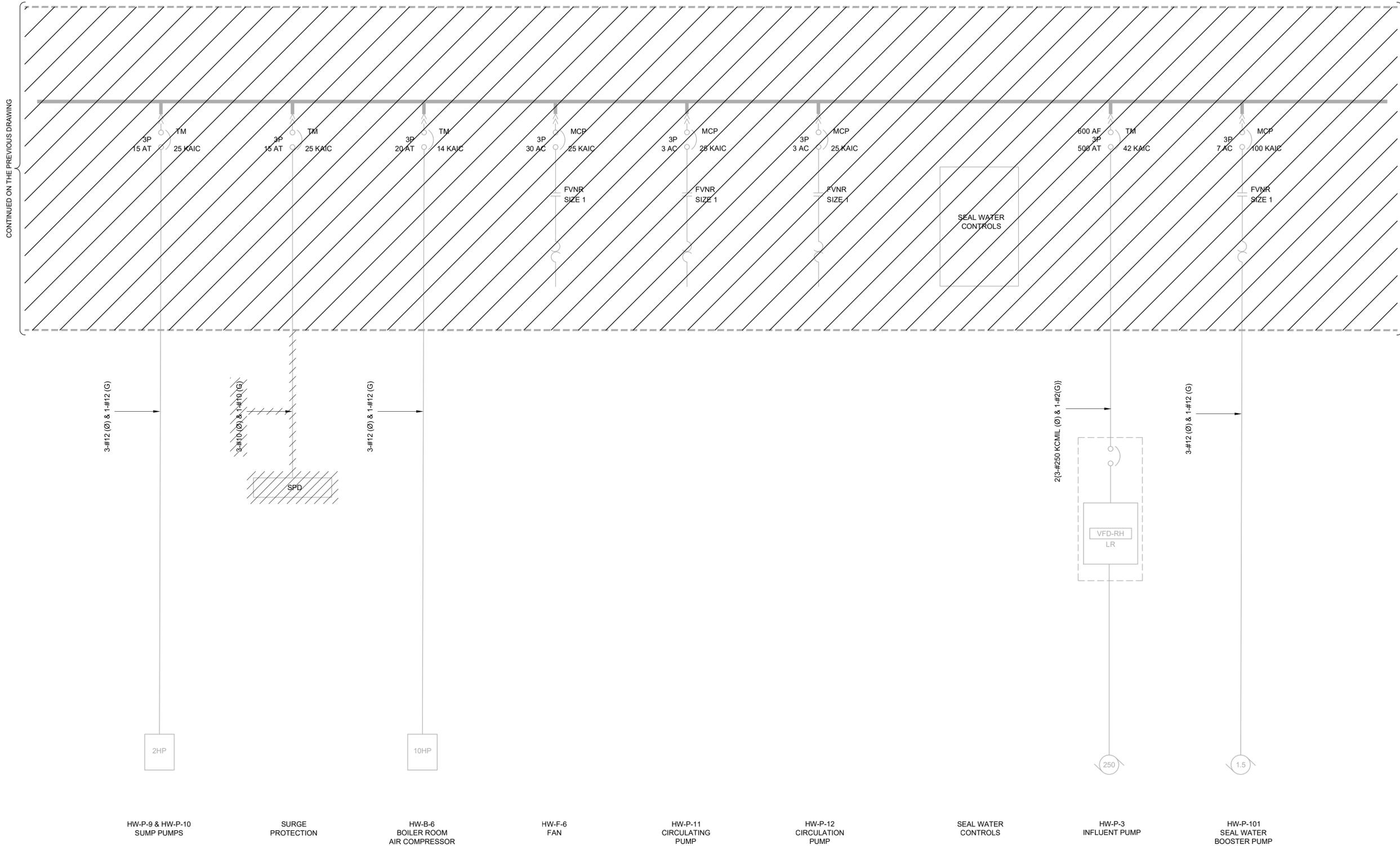
DATE  
MARCH 2026



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 West Jordan, Utah 84084

<b>SOUTH VALLEY WATER RECLAMATION</b> <b>MCC REPLACEMENT PROJECT</b> ELECTRICAL <b>HW-MCC-B</b> <b>DEMOLITION ONE-LINE DIAGRAM 2</b>		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0  1"	JOB NO. 202633
		SHEET NO. 25 OF 152	DRAWING NO. <b>D-OL-HW-6</b>

**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.



LAST SAVED BY: evandboom

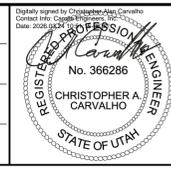
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CAC

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DATE  
MARCH 2026



Detailed report by Christopher A. Carvalho  
 Contact Info: CAC@carollo.com  
 Date: 2026.03.04



**South Valley**  
 WATER RECLAMATION FACILITY  
 7495 South 1300 West  
 West Jordan, Utah 84084

**SOUTH VALLEY WATER RECLAMATION**  
**MCC REPLACEMENT PROJECT**  
 ELECTRICAL  
**HW-MCC-B**  
**DEMOLITION ONE-LINE DIAGRAM 3**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"

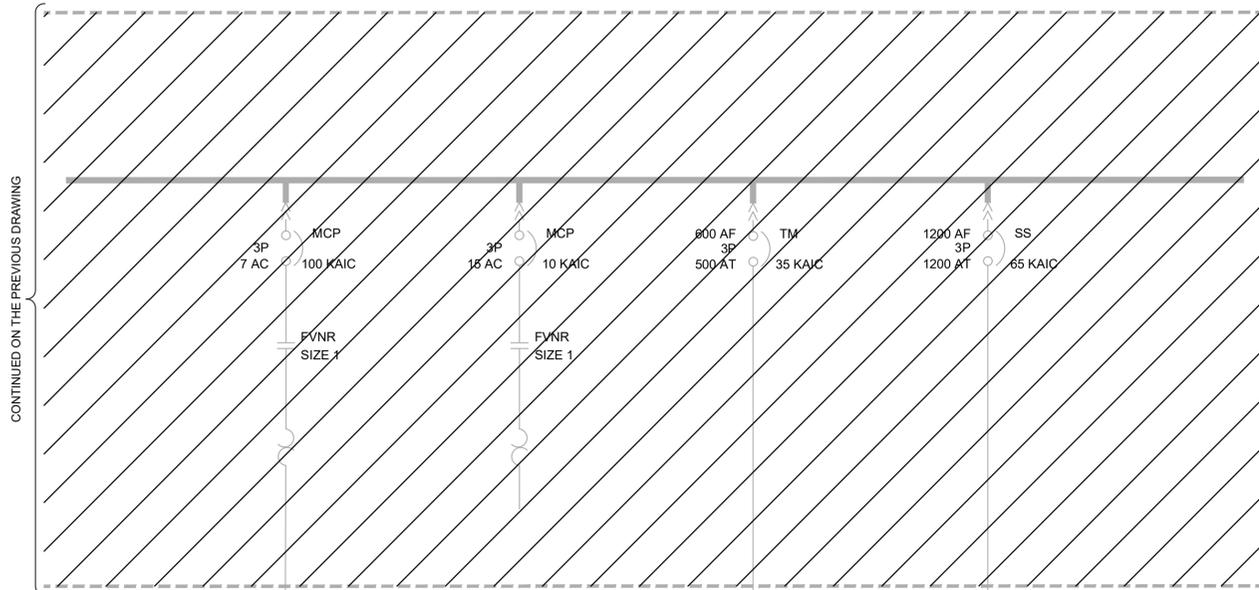
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-HW-7**

SHEET NO.  
26 OF 152

**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.

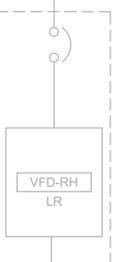


3-#12 (Ø) & 1-#12 (G)

1.5

HW-P-102  
SEAL WATER  
BOOSTER PUMP

2-#3-#250 KCMIL (Ø) & 1-#2 (G)



250

HW-F-4  
FAN

3-#3-#600 KCMIL (Ø) & 1-#30 (G)

250

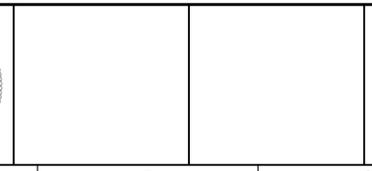
HW-P-5  
INFLUENT PUMP

HW-MCC-C

LAST SAVED BY: evandboom

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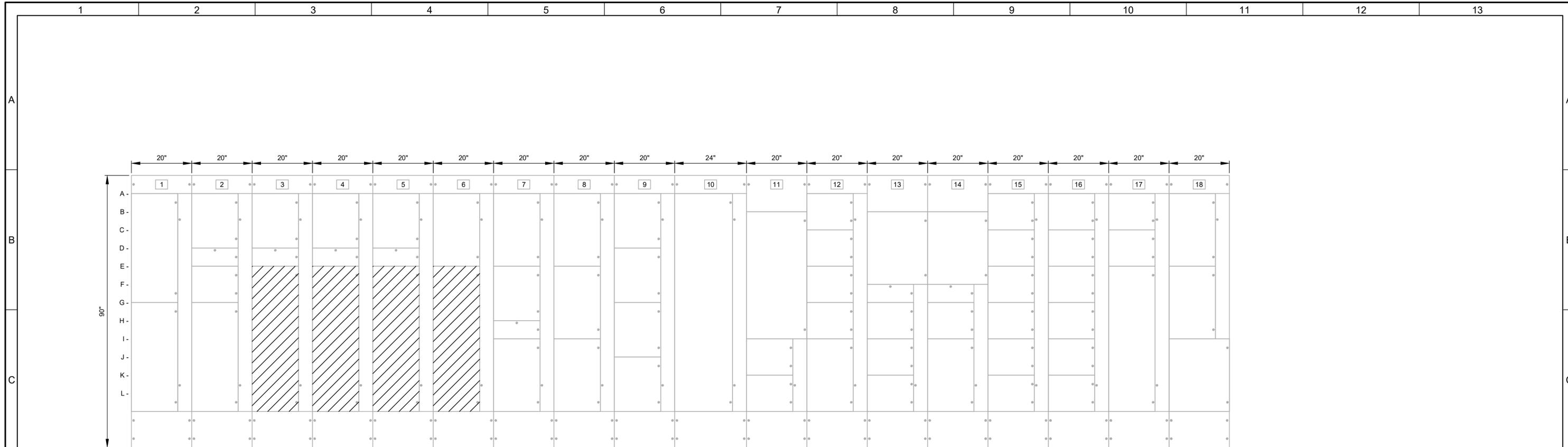
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DATE  
MARCH 2026



**SOUTH VALLEY WATER RECLAMATION**  
**MCC REPLACEMENT PROJECT**  
 ELECTRICAL  
**HW-MCC-B**  
**DEMOLITION ONE-LINE DIAGRAM 4**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633  
 DRAWING NO.  
**D-OL-HW-8**  
 SHEET NO.  
27 OF 152

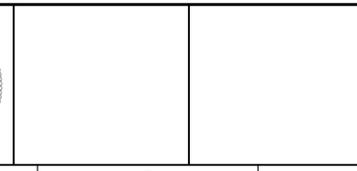
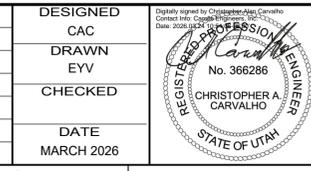


**HW-MCC-C ELEVATION**  
BLOWER BUILDING 1

1A- SUPPLY FAN SUF-0117 VFD	2A- SNU-312 (FUTURE)	3A- STEP SCREEN SNU-313	4A- STEP SCREEN SNU-314	5A- STEP SCREEN SNU-315	6A- SNC-321 (FUTURE)	7A- HORIZONTAL CONVEYOR SCREW SNC-322	8A- WASHER COMPACTOR SNW-331	9A- VACUUM PUMP VAP-341	10A- TR-HW3 TRANCB	11A- PULL SECTION	12A- EXF-3402	13A- PULL SECTION	14A- PULL SECTION	15A- UH-3701	16A- UH-3707	17A- AUGER DUMPSTER AUG-362	18A- HEAT RECOVERY PUMP HRP-0123
1G- SUPPLY FAN SUF-0116 VFD	2D- TVSS	3D- SPACE	4D- SPACE	5D- SPACE	6E- FAF-3403	7E- INCLINE CONVEYOR SCREW SNC-350	8E- COUNTER PRESSURE SCREW SNC-332	9D- VACUUM PUMP VAP-342		11B- LHW3 LIGHTING PANELBOARD	12C- HVAC FAN SUF-3405	13B- FOUL AIR FAN FAF-3403	14B- FOUL AIR FAN FAF-3404	15C- UH-3702	16C- UH-3708	17C- HEAT COIL PUMP HP-0109	18E- HEAT RECOVERY PUMP HRP-0124
	2E- SPACE	3E- GRIT BLOWER GRB-441	4E- GRIT BLOWER GRB-443	5E- GRIT BLOWER GRB-445		7H- SPACE	8I- WASHER COMPACTOR SNW-332	9G- GRIT PUMP GRP-421		11I- GRIT CLASSIFIER GRC-431	12E- EXHAUST FAN EXF-3406	13F- H-EC-1	14F- H-EC-2	15E- UH-3703	16E- UH-3709	17E- EXHAUST FAN EXF-0126	18I- INCOMING LINE
	2G- SUPPLY FAN SUF-0118 VFD					7I- COUNTER PRESSURE SCREW SNC-331		9J- GRIT PUMP GRP-422		11K- GRIT CLASSIFIER GRC-432	12G- SUF-3407	13G- SUF-3401	14G- SPACE	15G- UH-3704	16G- UH-3710		
											12I- SPARE	13I- SPARE	14I- SPARE	15I- UH-3705	16I- UH-3711		
												13K- SPARE		15K- UH-3706	16K- AUGER DUMPSTER AUG-361		

LAST SAVED BY: Chertrea

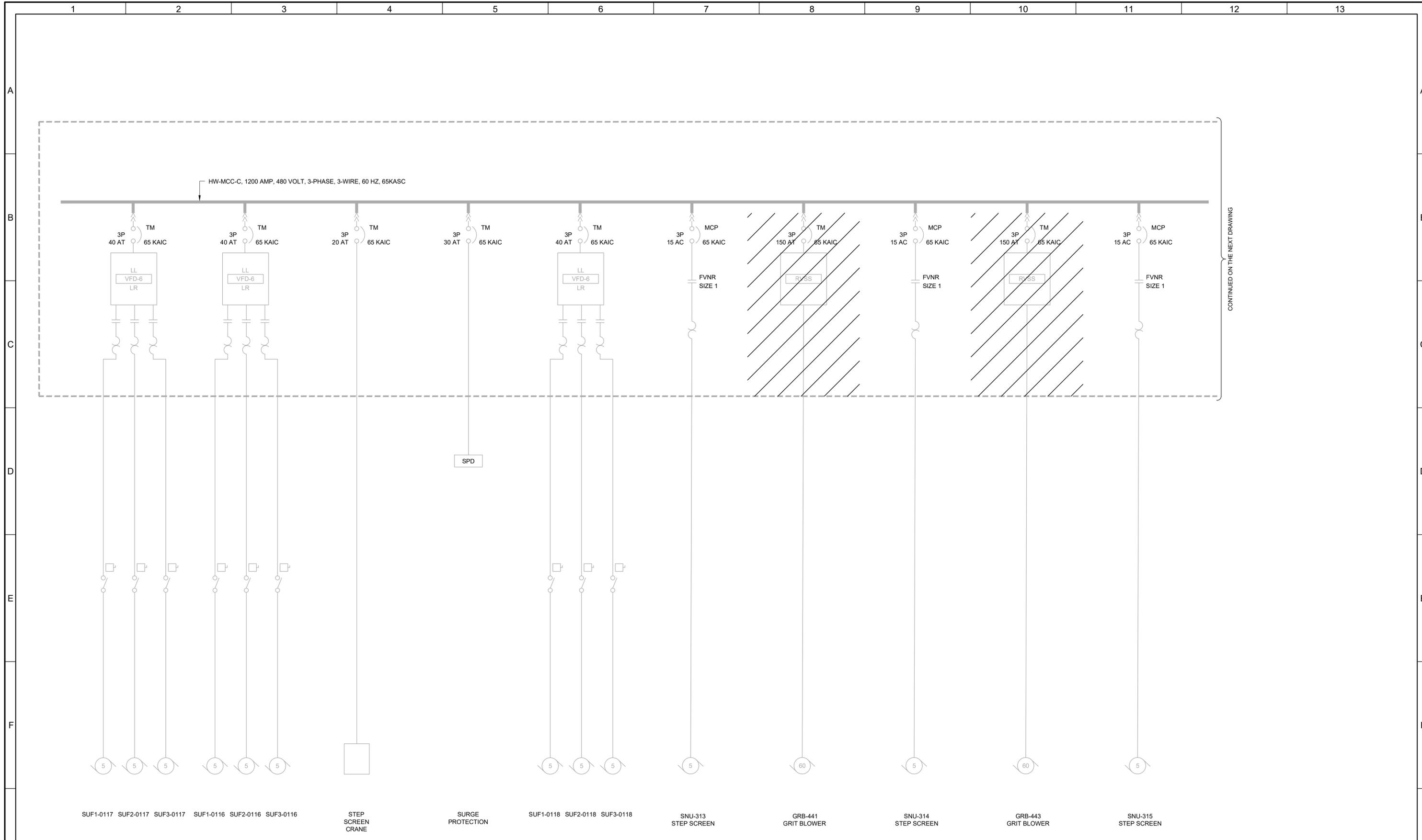
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DATE MARCH 2026	



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SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**HW-MCC-C  
 DEMOLITION ELEVATION**

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 202633
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. <b>D-OL-HW-09</b>
	SHEET NO. 28 OF 152



SUF1-0117 SUF2-0117 SUF3-0117 SUF1-0116 SUF2-0116 SUF3-0116      STEP SCREEN CRANE      SURGE PROTECTION      SUF1-0118 SUF2-0118 SUF3-0118      SNU-313 STEP SCREEN      GRB-441 GRIT BLOWER      SNU-314 STEP SCREEN      GRB-443 GRIT BLOWER      SNU-315 STEP SCREEN

REV	DATE	BY	DESCRIPTION

DESIGNED  
CAC

DRAWN  
EYV

CHECKED

DATE  
MARCH 2026

Digitally signed by Christopher A. Carvalho  
Contact info: CAC@carollo.com  
Date: 2026.03.04 10:00:00 -0500

**REGISTERED PROFESSIONAL ENGINEER**  
No. 366286  
**CHRISTOPHER A. CARVALHO**  
STATE OF UTAH



**South Valley**  
WATER RECLAMATION FACILITY  
7495 South 1300 West  
West Jordan, Utah 84084

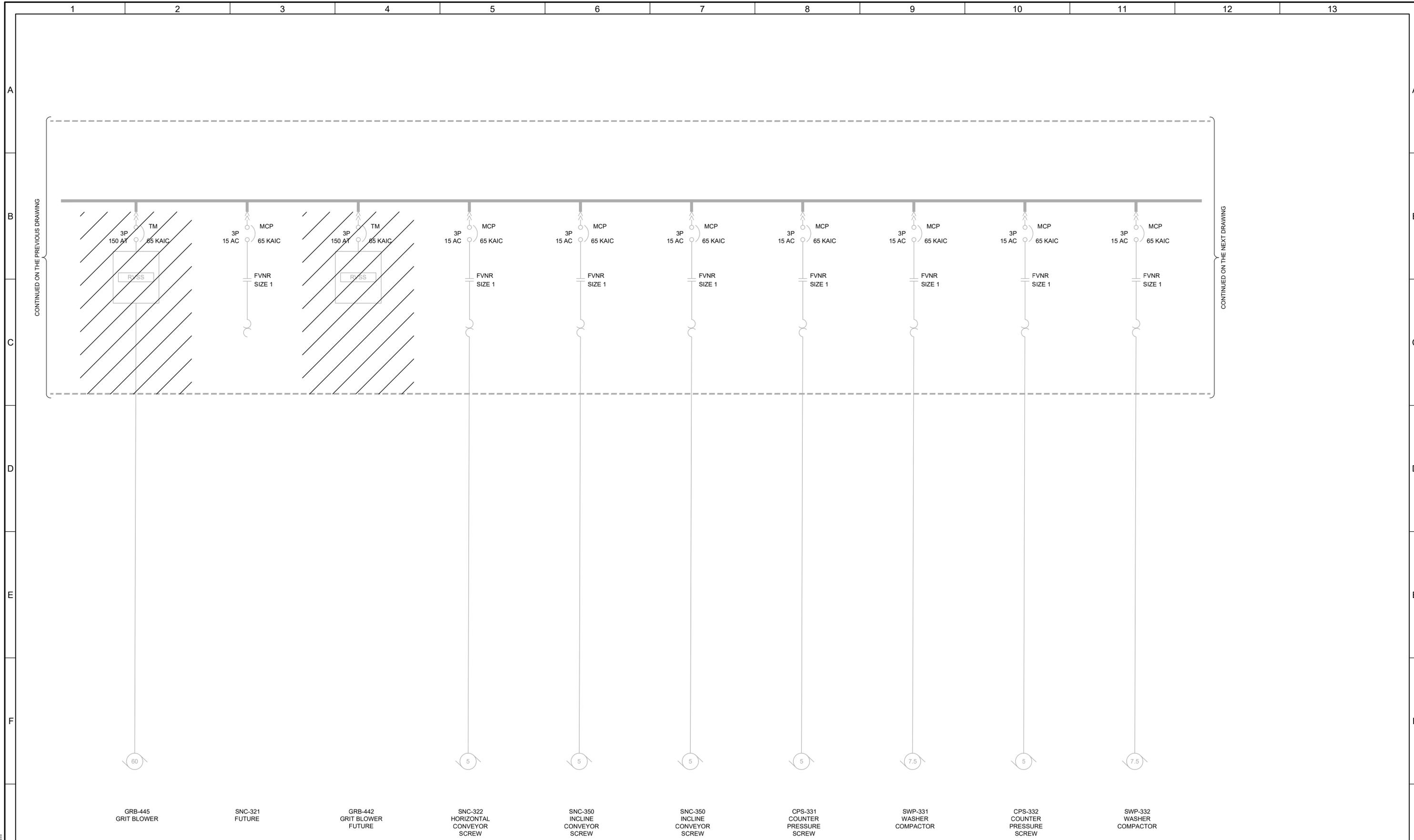
**SOUTH VALLEY WATER RECLAMATION**  
**MCC REPLACEMENT PROJECT**  
ELECTRICAL  
**HW-MCC-C**  
**DEMOLITION ONE-LINE DIAGRAM 1**

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-HW-10**

SHEET NO.  
29 OF 152



CONTINUED ON THE PREVIOUS DRAWING

CONTINUED ON THE NEXT DRAWING

- GRB-445  
GRIT BLOWER
- SNC-321  
FUTURE
- GRB-442  
GRIT BLOWER  
FUTURE
- SNC-322  
HORIZONTAL  
CONVEYOR  
SCREW
- SNC-350  
INCLINE  
CONVEYOR  
SCREW
- SNC-350  
INCLINE  
CONVEYOR  
SCREW
- CPS-331  
COUNTER  
PRESSURE  
SCREW
- SWP-331  
WASHER  
COMPACTOR
- CPS-332  
COUNTER  
PRESSURE  
SCREW
- SWP-332  
WASHER  
COMPACTOR

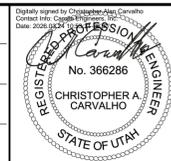
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DATE  
MARCH 2026



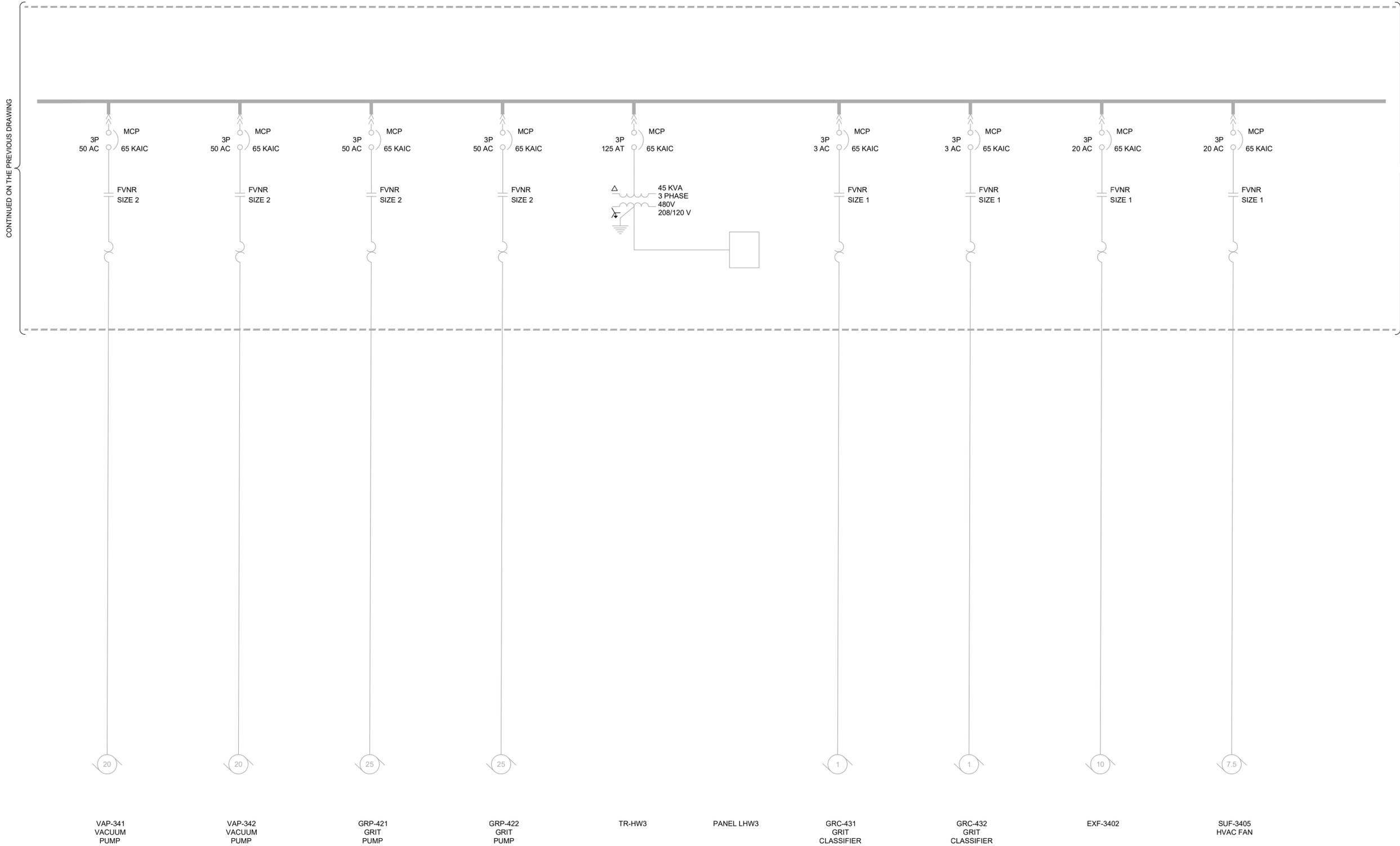
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West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 202633 DRAWING NO. <b>D-OL-HW-11</b> SHEET NO. 30 OF 152
MCC REPLACEMENT PROJECT			
ELECTRICAL <b>HW-MCC-C</b> <b>DEMOLITION ONE-LINE DIAGRAM 2</b>			

LAST SAVED BY: evandboom

GENERAL NOTES:  
 1. NO WORK ON THIS DRAWING. IT IS INCLUDED FOR REFERENCE ONLY.



CONTINUED ON THE PREVIOUS DRAWING

CONTINUED ON THE NEXT DRAWING

LAST SAVED BY: evandoom

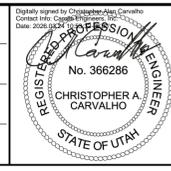
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MARCH 2026



REGISTERED PROFESSIONAL ENGINEER  
 CHRISTOPHER A. CARVALHO  
 No. 366286  
 STATE OF UTAH



**South Valley**  
 WATER RECLAMATION FACILITY  
 7495 South 1300 West  
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**HW-MCC-C**  
 DEMOLITION ONE-LINE DIAGRAM 3

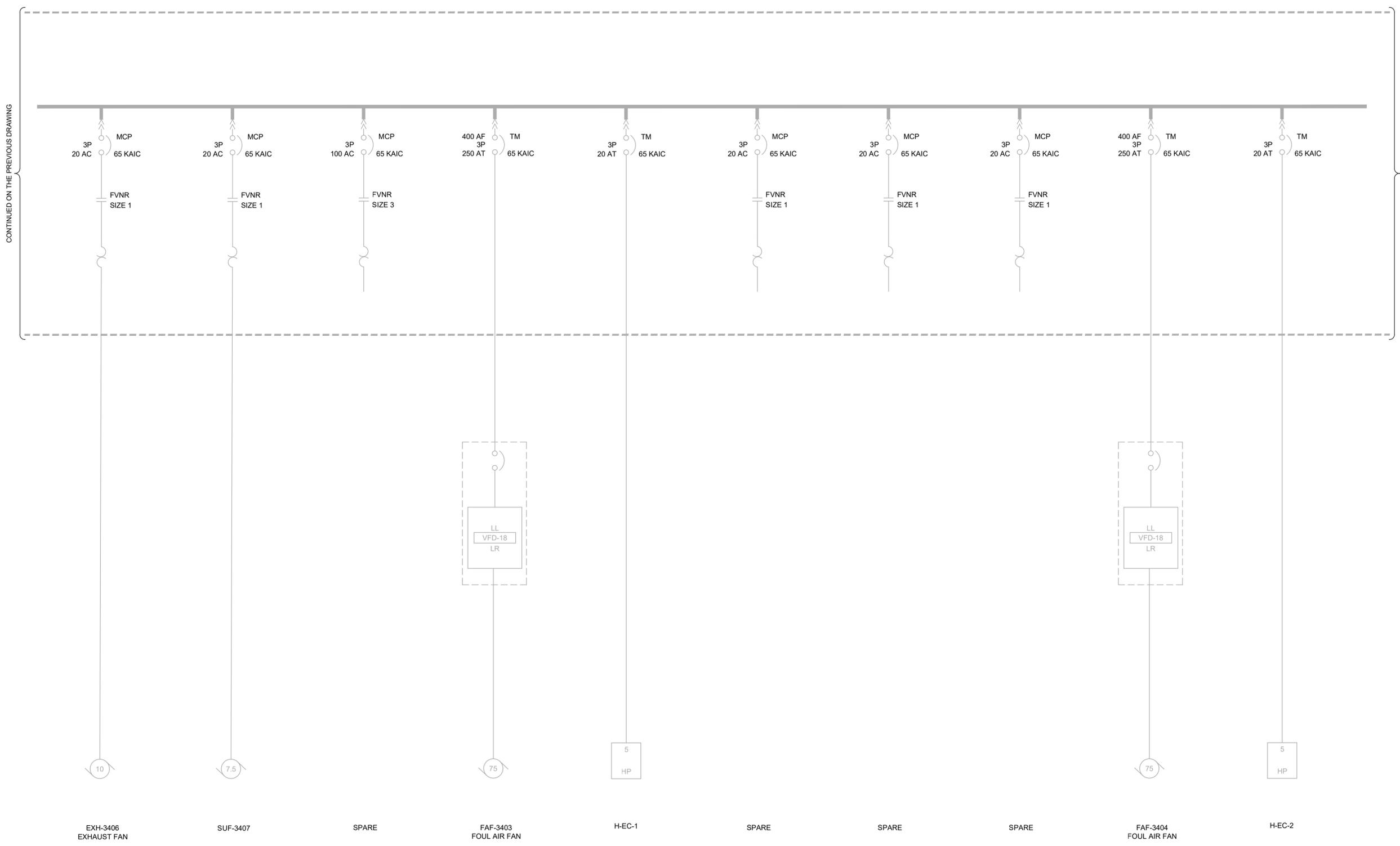
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-HW-12**

SHEET NO.  
31 OF 152

GENERAL NOTES:  
 1. NO WORK ON THIS DRAWING. IT IS INCLUDED FOR REFERENCE ONLY.



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 Contact info: CAC@carollo.com  
 Date: 2026.03.04 10:00:00 -0700



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 WATER RECLAMATION FACILITY

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 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
 HW-MCC-C  
 DEMOLITION ONE-LINE DIAGRAM 4

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"

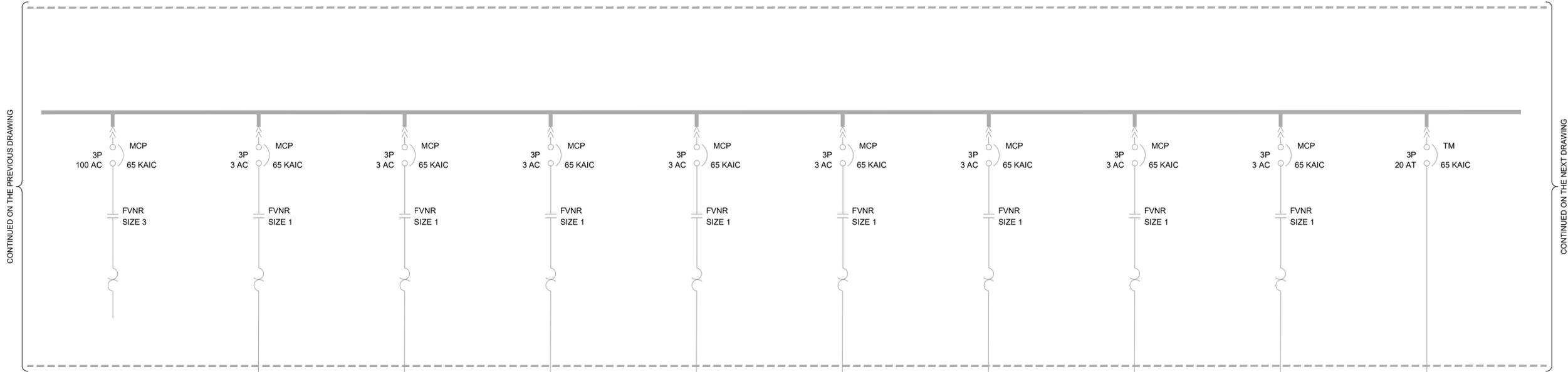
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-HW-13**

SHEET NO.  
32 OF 152

GENERAL NOTES:  
 1. NO WORK ON THIS DRAWING. IT IS INCLUDED FOR REFERENCE ONLY.



CONTINUED ON THE PREVIOUS DRAWING

CONTINUED ON THE NEXT DRAWING

SPARE      UH-3705      UH-3706      UH-3704      UH-3701      UH-3703      UH-3702      UH-3708      UH-3707      UH-3709

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SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**HW-MCC-C**  
**DEMOLITION ONE-LINE DIAGRAM 5**

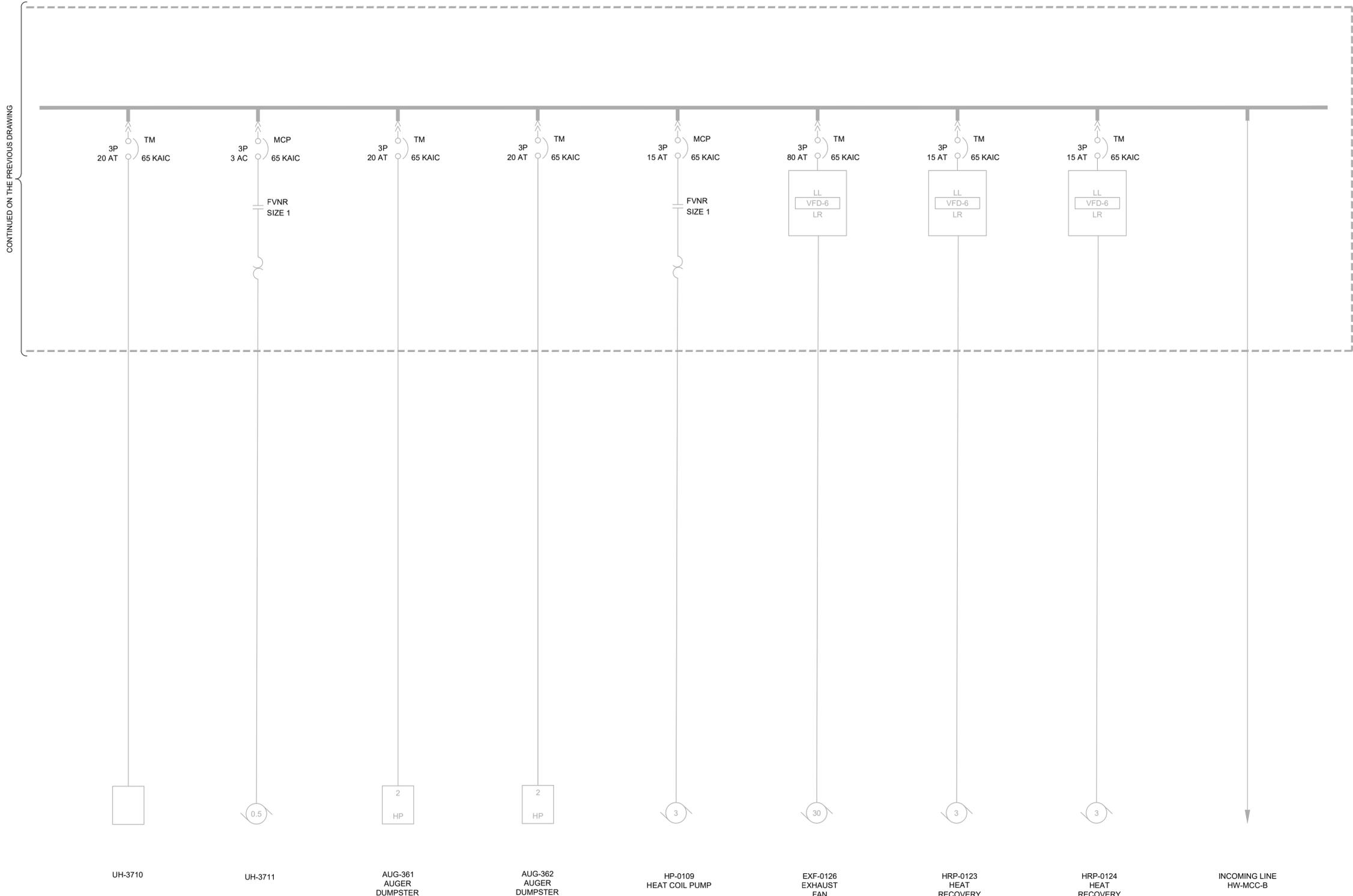
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 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-HW-14**

SHEET NO.  
33 OF 152

GENERAL NOTES:  
 1. NO WORK ON THIS DRAWING. IT IS INCLUDED FOR REFERENCE ONLY.



CONTINUED ON THE PREVIOUS DRAWING

UH-3710

UH-3711

AUG-361  
AUGER  
DUMPSTER

AUG-362  
AUGER  
DUMPSTER

HP-0109  
HEAT COIL PUMP

EXF-0126  
EXHAUST  
FAN

HRP-0123  
HEAT  
RECOVERY  
PUMP

HRP-0124  
HEAT  
RECOVERY  
PUMP

INCOMING LINE  
HW-MCC-B

LAST SAVED BY: evandboom

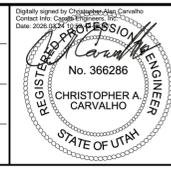
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CAC

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NF

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DATE  
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SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
 HW-MCC-C  
 DEMOLITION ONE-LINE DIAGRAM 6

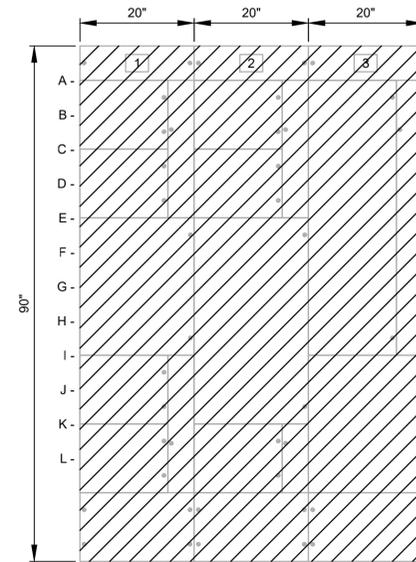
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 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-HW-15**

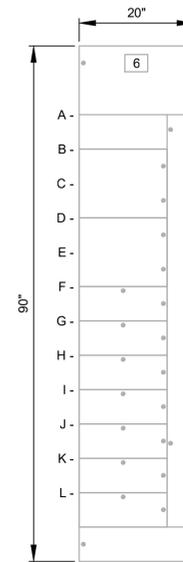
SHEET NO.  
34 OF 152

# KEY NOTES:  
 1. RW-MCC-A SECTION F IS NOT BEING DEMOLISHED.



RAS BUILDING NO.1  
**RW-MCC-A ELEVATION**

- |                                   |                                |                        |
|-----------------------------------|--------------------------------|------------------------|
| 1A- FAN RW-F-1                    | 2A- SCUM MIXER RW-MX-1         | 3A- RAS PUMP PMP-1406  |
| 1C- SCUM PUMP RW-P-10 (721A WEST) | 2C- ATS FEEDER                 | 3C- SPARE              |
| 1E- RW-MCC-A-F                    | 2E- ATS FEEDER                 | 3I- MAIN BREAKER ES3-2 |
| 1I- SCUM PUMP RW-P-11 (721B WEST) | 2H- GENERATOR BREAKER SG-EDB-5 |                        |
| 1K- SPARE                         |                                |                        |



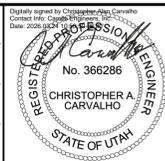
RW-MCC-A SECTION F  
**RW-MCC-A ELEVATION**

- 6A- MAIN LUGS
- 6B- SPACE
- 6D- SPACE
- 6F- SPACE
- 6G- EDV-1610
- 6H- PMP-1601 WAS PUMP
- 6I- PMP-1602 WAS PUMP
- 6J- PMP-1603 WAS PUMP
- 6K- PMP-1405 RAS PUMP
- 6L- PMP-1404 RAS PUMP

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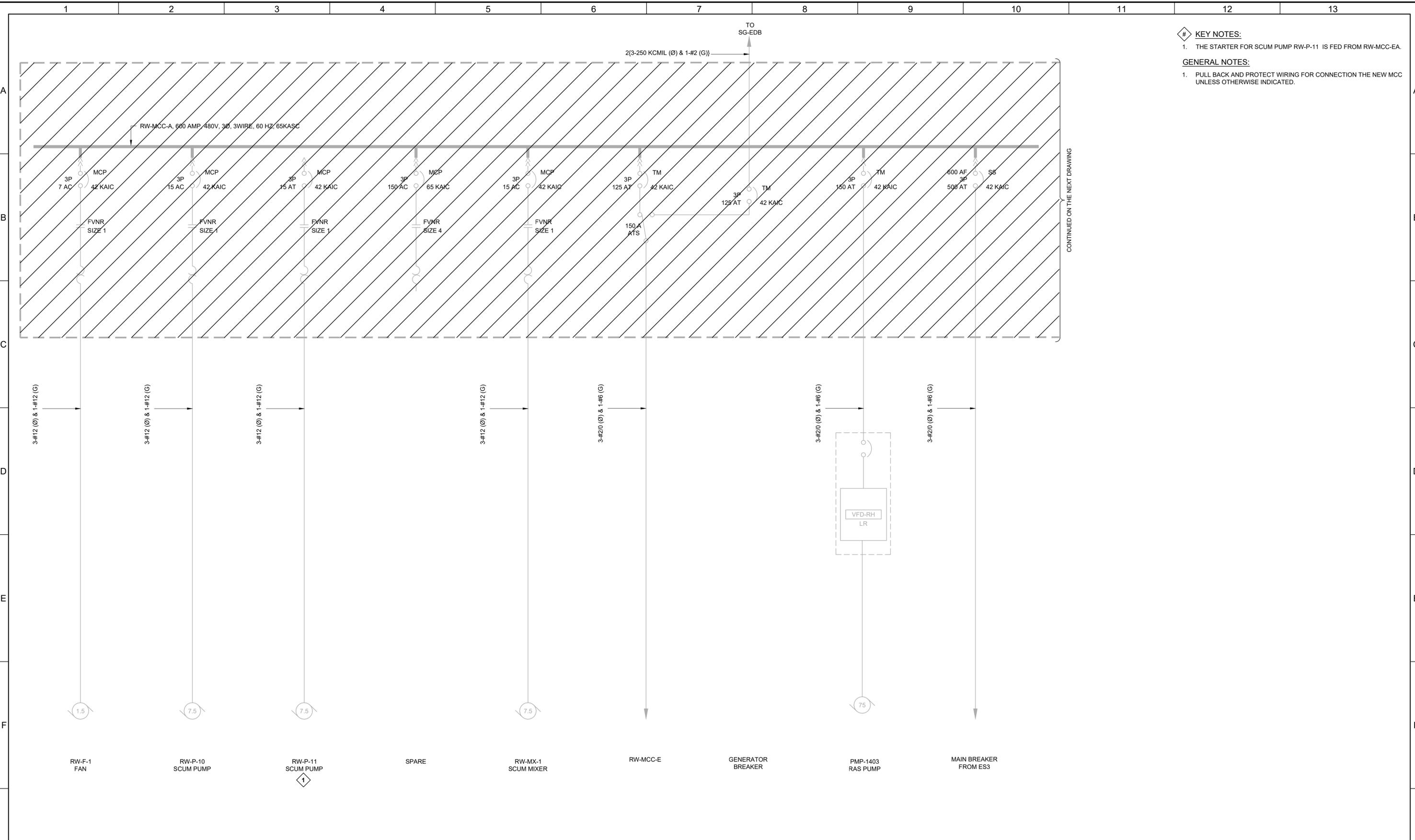
SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**RW-MCC-A  
 DEMOLITION ELEVATION**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633  
 DRAWING NO.  
**D-OL-RW-1**  
 SHEET NO.  
35 OF 152

Plot Date: 12/9/2025 10:35:31 AM

LAST SAVED BY: Chierera



- KEY NOTES:**
- THE STARTER FOR SCUM PUMP RW-P-11 IS FED FROM RW-MCC-EA.
- GENERAL NOTES:**
- PULL BACK AND PROTECT WIRING FOR CONNECTION THE NEW MCC UNLESS OTHERWISE INDICATED.

CONTINUED ON THE NEXT DRAWING

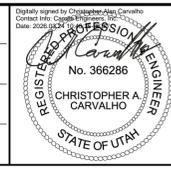
REV	DATE	BY	DESCRIPTION
1			
2			
3			

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DATE  
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SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
RW-MCC-A  
DEMOLITION ONE-LINE DIAGRAM 1

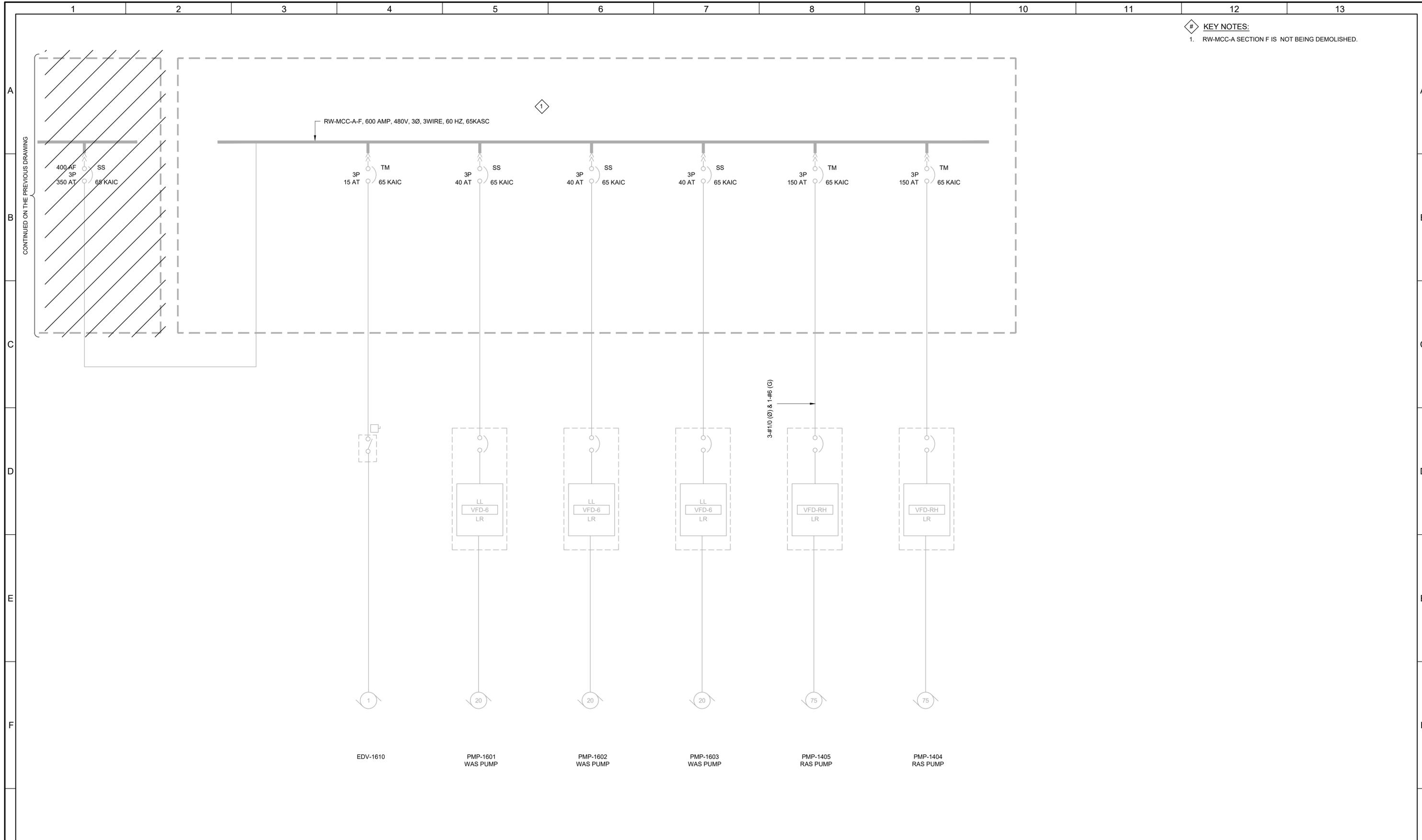
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
D-OL-RW-2

SHEET NO.  
36 OF 152

# KEY NOTES:  
 1. RW-MCC-A SECTION F IS NOT BEING DEMOLISHED.



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DATE  
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 Contact info: CAC@carollo.com  
 Date: 2026.03.04 10:00:00 -0500

**REGISTERED PROFESSIONAL ENGINEER**  
 No. 366286  
 CHRISTOPHER A. CARVALHO  
 STATE OF UTAH



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SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
 RW-MCC-A  
 DEMOLITION ONE-LINE DIAGRAM 2

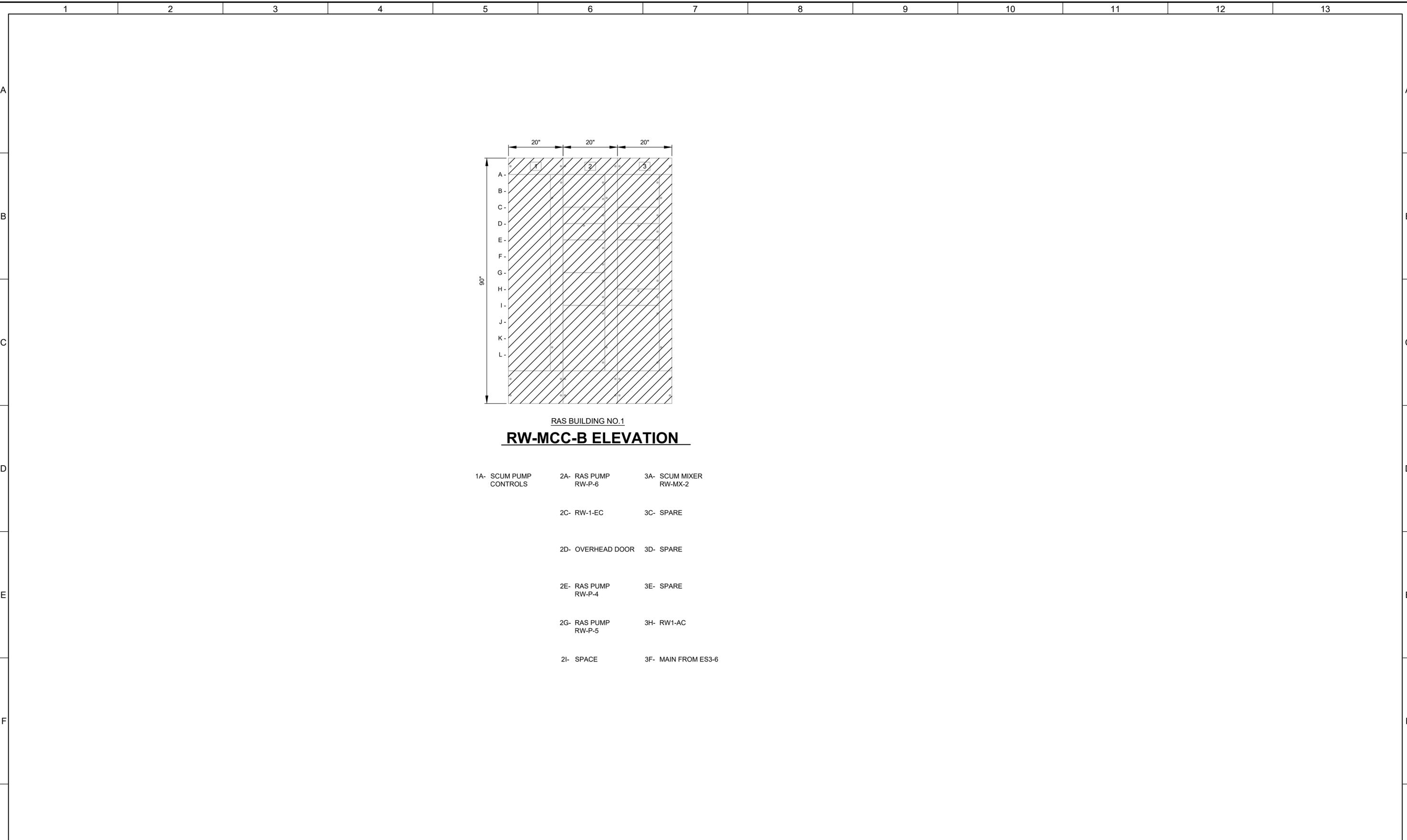
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
D-OL-RW-3

SHEET NO.  
37 OF 152



RAS BUILDING NO.1  
**RW-MCC-B ELEVATION**

- |                        |                     |                        |
|------------------------|---------------------|------------------------|
| 1A- SCUM PUMP CONTROLS | 2A- RAS PUMP RW-P-6 | 3A- SCUM MIXER RW-MX-2 |
|                        | 2C- RW-1-EC         | 3C- SPARE              |
|                        | 2D- OVERHEAD DOOR   | 3D- SPARE              |
|                        | 2E- RAS PUMP RW-P-4 | 3E- SPARE              |
|                        | 2G- RAS PUMP RW-P-5 | 3H- RW1-AC             |
|                        | 2I- SPACE           | 3F- MAIN FROM ES3-6    |

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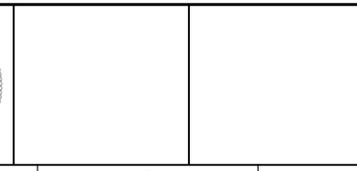
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SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
 RW-MCC-B DEMOLITION ELEVATION

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

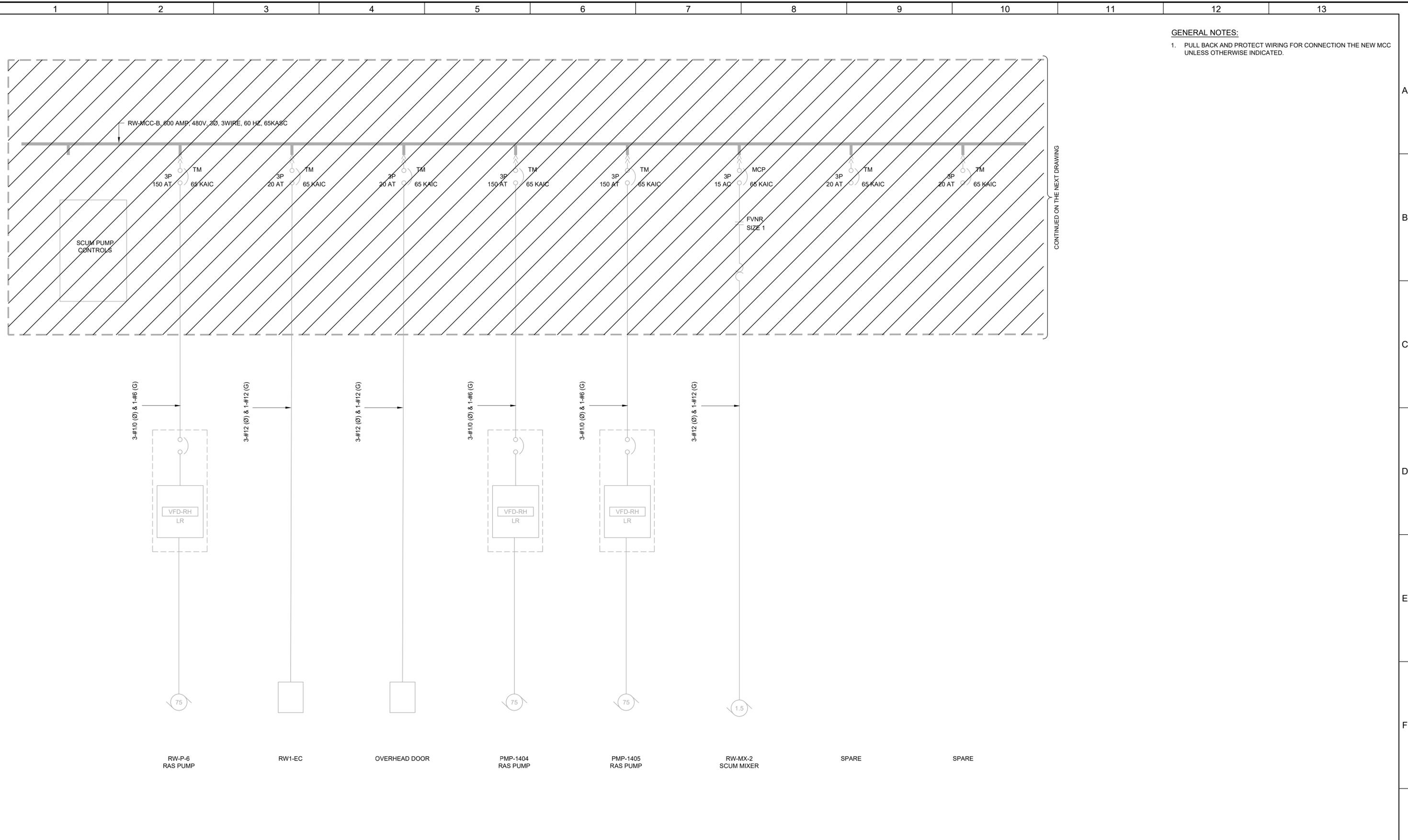
JOB NO.  
202633

DRAWING NO.  
**D-OL-RW-4**

SHEET NO.  
38 OF 152

**GENERAL NOTES:**

- PULL BACK AND PROTECT WIRING FOR CONNECTION THE NEW MCC UNLESS OTHERWISE INDICATED.



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DATE  
MARCH 2026



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Contact Info: CAC@carollo.com  
Date: 2026.03.04 10:00:00 -0500

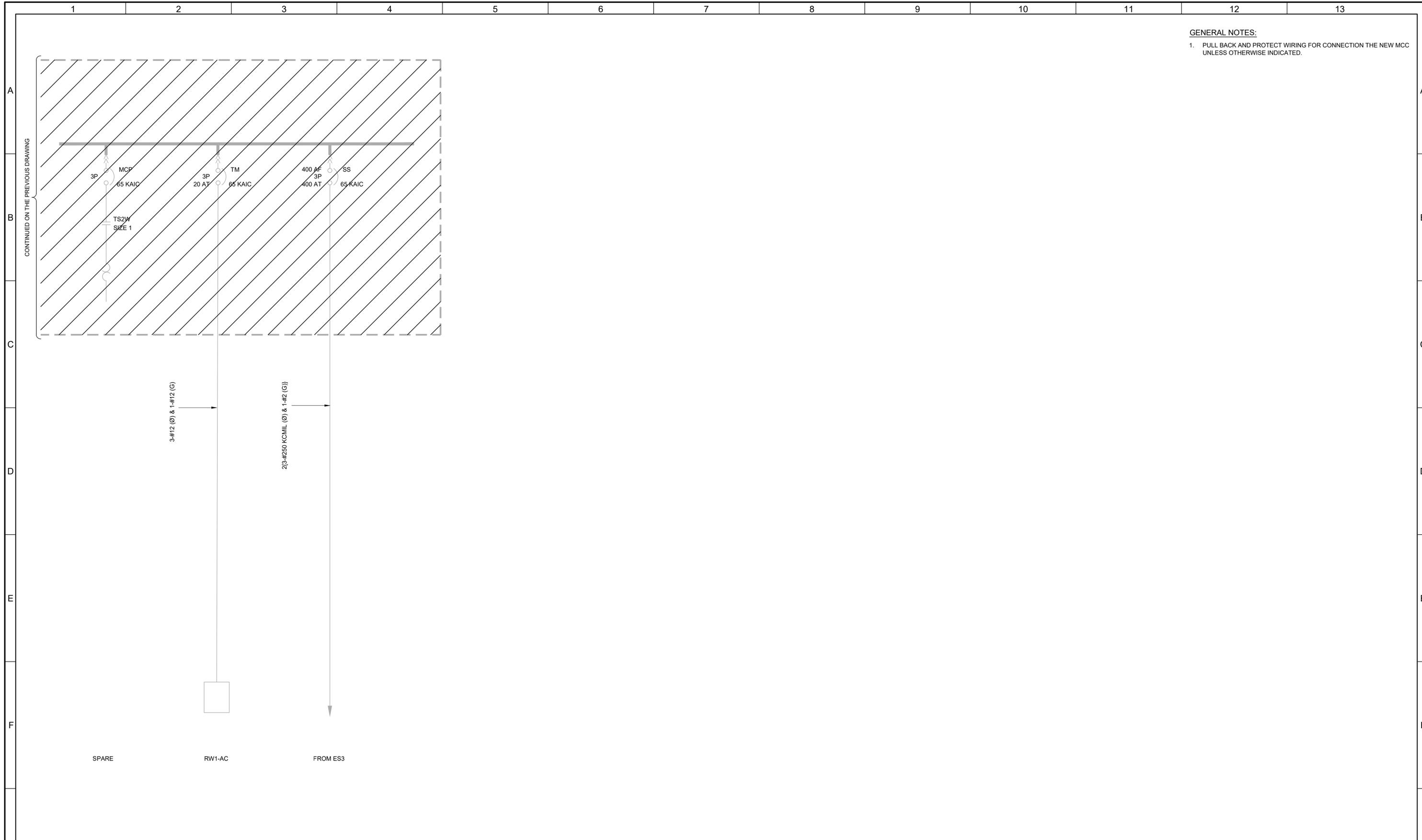


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SOUTH VALLEY WATER RECLAMATION		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0  1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 202633
MCC REPLACEMENT PROJECT			DRAWING NO. <b>D-OL-RW-5</b>
ELECTRICAL		IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO. 39 OF 152
<b>RW-MCC-B</b> DEMOLITION ONE-LINE DIAGRAM 1			

**GENERAL NOTES:**

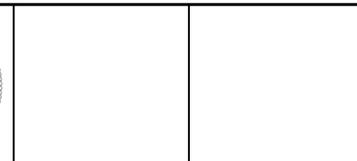
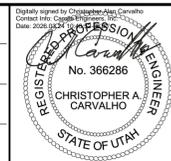
- PULL BACK AND PROTECT WIRING FOR CONNECTION THE NEW MCC UNLESS OTHERWISE INDICATED.



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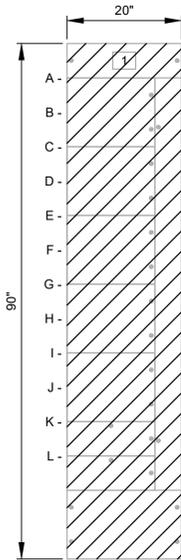


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SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
RW-MCC-B  
DEMOLITION ONE-LINE DIAGRAM 2

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633  
DRAWING NO.  
**D-OL-RW-6**  
SHEET NO.  
40 OF 152



RAS BUILDING NO. 1  
**RW-MCC-E ELEVATION**

- 1A- FC-ME-2  
CLARIFIER DRIVE
- 1C- FC-ME-1  
CLARIFIER DRIVE
- 1E- FC-ME-3  
CLARIFIER DRIVE
- 1G- FC-ME-4  
CLARIFIER DRIVE
- 1I- LIGHTING PANEL  
LWV
- 1K- RW-MCC-EA-FDR
- 1L- INCOMING LINE

LAST SAVED BY: evandoom

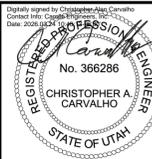
REV	DATE	BY	DESCRIPTION

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DATE  
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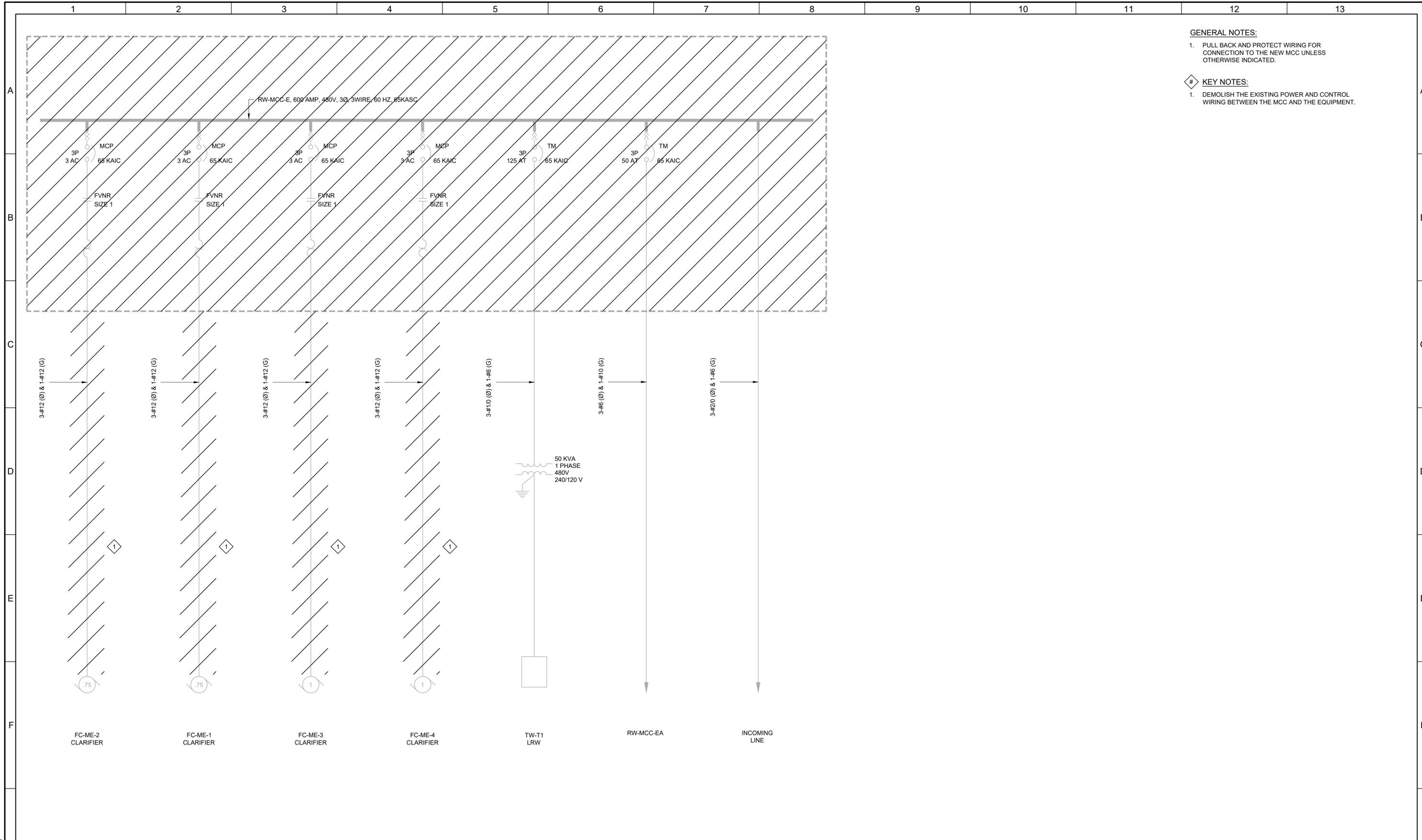
SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**RW-MCC-E  
 DEMOLITION ELEVATION**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-RW-7**

SHEET NO.  
41 OF 152



- GENERAL NOTES:**
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.
- KEY NOTES:**
- DEMOLISH THE EXISTING POWER AND CONTROL WIRING BETWEEN THE MCC AND THE EQUIPMENT.

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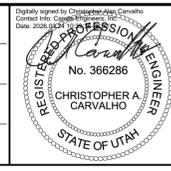
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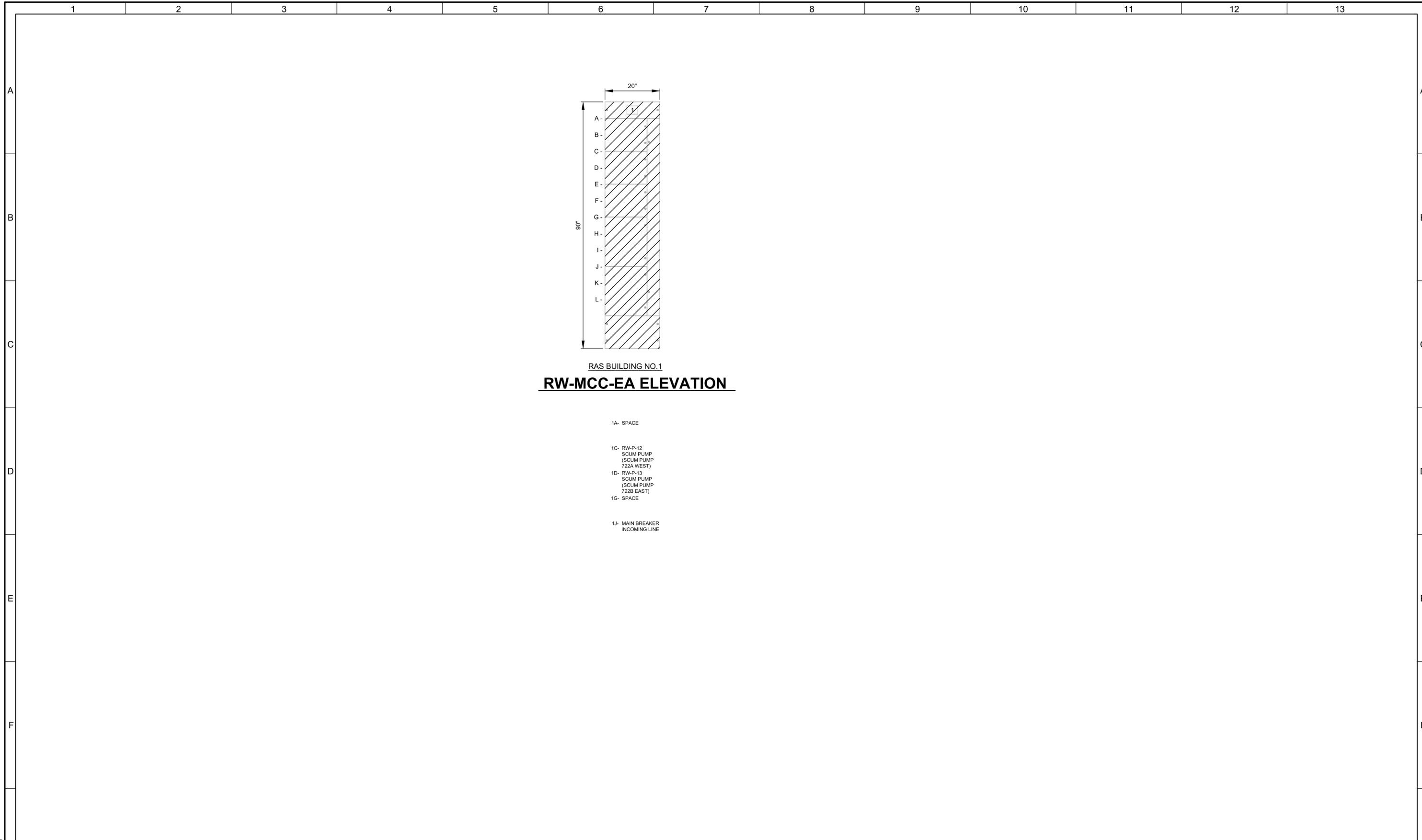
DATE  
MARCH 2026



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SOUTH VALLEY WATER RECLAMATION		VERIFY SCALES	JOB NO. 202633
MCC REPLACEMENT PROJECT		BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. <b>D-OL-RW-8</b>
ELECTRICAL		0  1"	SHEET NO.
<b>RW-MCC-E</b>		IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	42 OF 152
<b>DEMOLITION ONE-LINE DIAGRAM</b>			



RAS BUILDING NO.1  
**RW-MCC-EA ELEVATION**

- 1A- SPACE
- 1C- RW-P-12  
SCUM PUMP  
(SCUM PUMP  
722A WEST)
- 1D- RW-P-13  
SCUM PUMP  
(SCUM PUMP  
722B EAST)
- 1G- SPACE
- 1J- MAIN BREAKER  
INCOMING LINE

LAST SAVED BY: evandboom

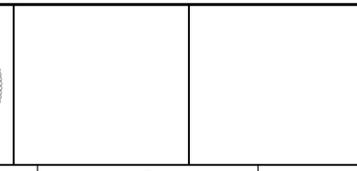
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**SOUTH VALLEY WATER RECLAMATION**  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**RW-MCC-EA**  
 DEMOLITION ELEVATION

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

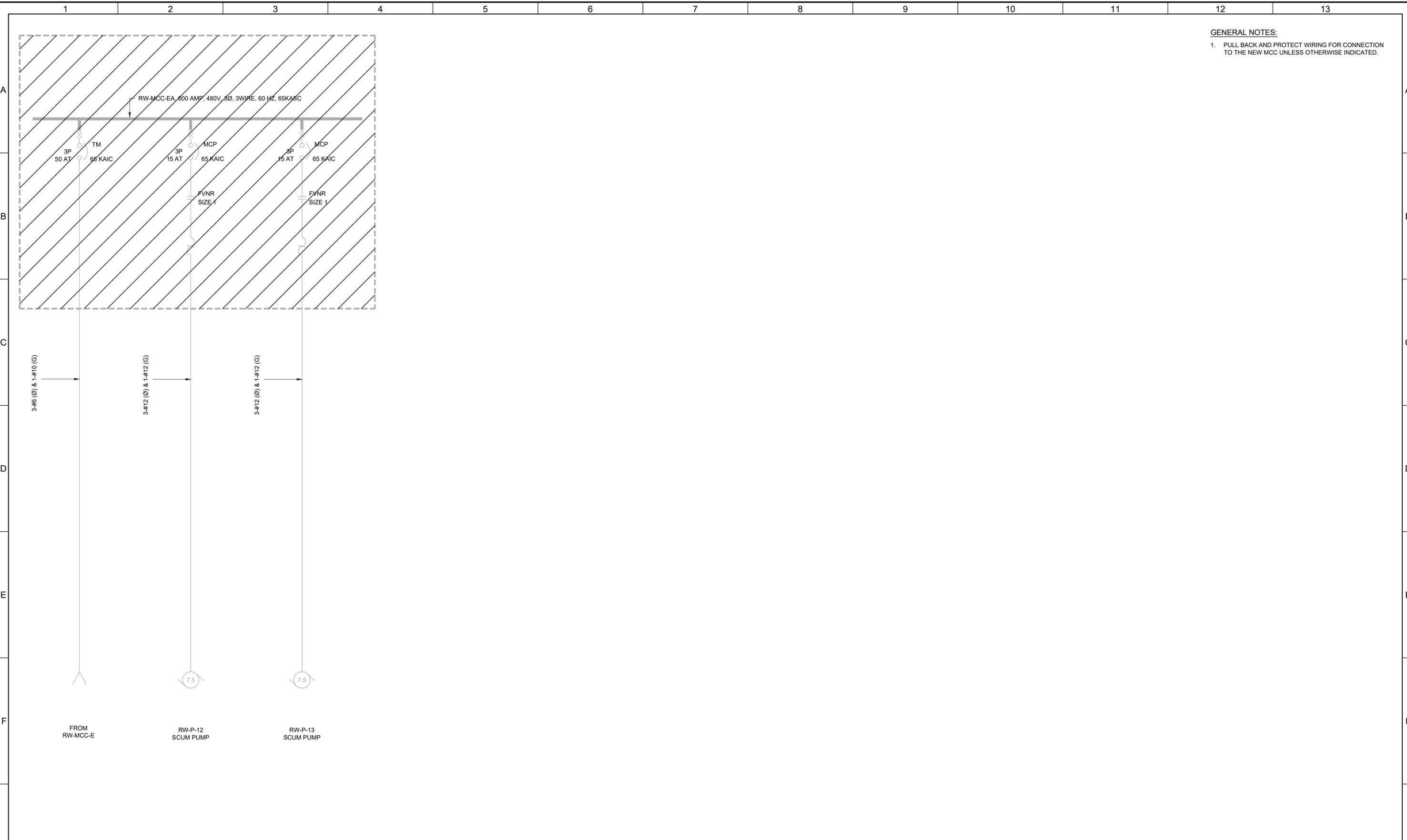
JOB NO.  
202633

DRAWING NO.  
**D-OL-RW-9**

SHEET NO.  
43 OF 152

Plot Date: 12/9/2025 11:48:11 AM

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**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.

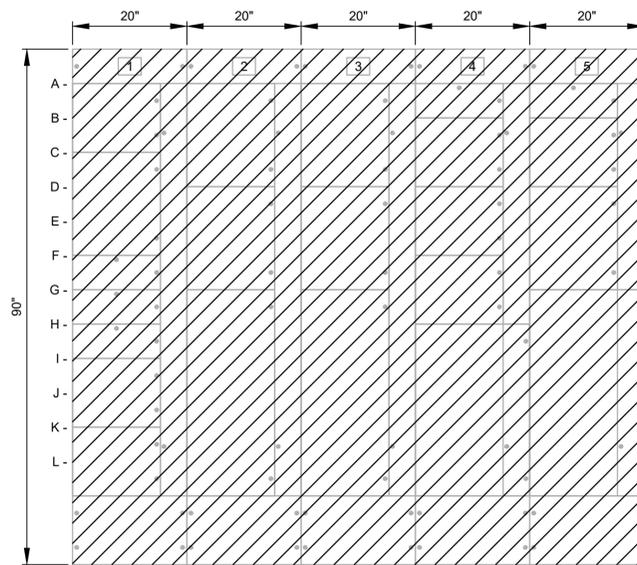
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SOUTH VALLEY WATER RECLAMATION MCC REPLACEMENT PROJECT ELECTRICAL <b>RW-MCC-EA</b> <b>DEMOLITION ONE-LINE DIAGRAM</b>		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 202633 DRAWING NO. <b>D-OL-RW-10</b> SHEET NO. 44 OF 152
		IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	



RAS BUILDING NO. 2

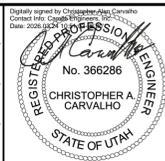
**RW-MCC-C ELEVATION**

- |                                  |                           |   |                                       |   |
|----------------------------------|---------------------------|---|---------------------------------------|---|
| 1A- SPARE                        | 2A- EVAP COOLER<br>RW2-EC | 3A- SPARE                                     | 4A- RW2-AC                            | 5A- LRW-A<br>LIGHTING PANEL                   |
| 1C- SCUM PUMP MIXER<br>RW-MX-102 | 2B- SPARE                 | 3D- SPARE                                     | 4B- SPARE                             | 5B- NORMAL SUPPLY<br>TO TRANSFER<br>SWITCH    |
| 1F- OVERHEAD DOOR                | 2C- SPARE                 | 3G- SEAL WATER<br>BOOSTER PUMP<br>AUX CONTROL | 4D- SEAL WATER<br>BOOSTER<br>RW-P-114 | 5D- EMERGENCY<br>SUPPLY TO<br>TRANSFER SWITCH |
| 1G- SPACE                        |                           |   | 4F- SEAL WATER<br>BOOSTER<br>RW-P-114 | 5G- ASCO TRANSFER<br>SWITCH                   |
| 1H- SPARE                        |                           |   | 4H- MAIN CIRCUIT<br>BREAKER           |   |
| 1I- SPACE                        |                           |   |                                       |   |
| 1K- SPACE                        |                           |   |                                       |   |

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DATE  
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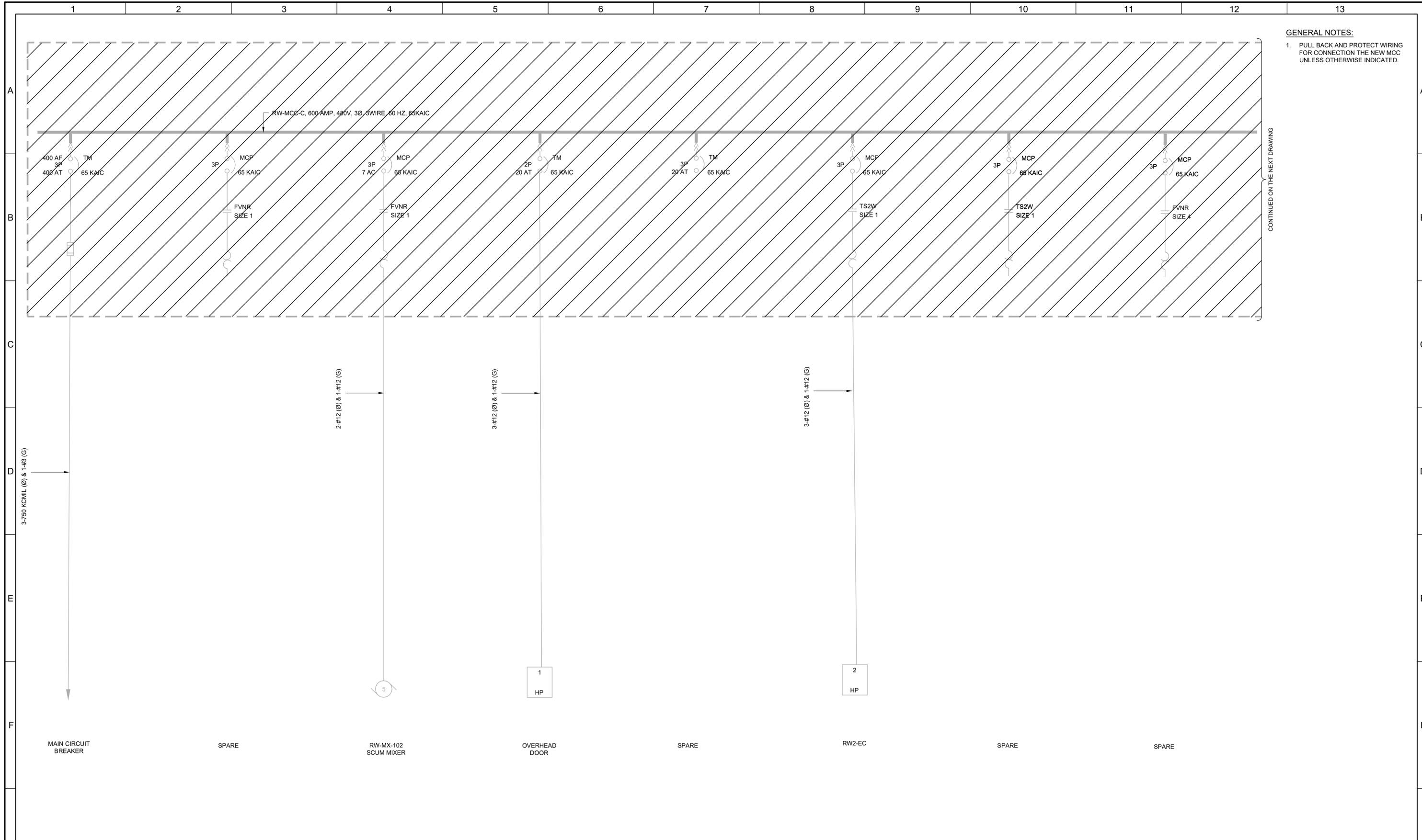


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SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
**RW-MCC-C**  
DEMOLITION ELEVATION

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633  
DRAWING NO.  
**D-OL-RW-11**  
SHEET NO.  
45 OF 152



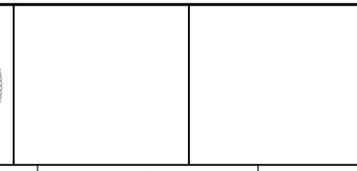
**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION THE NEW MCC UNLESS OTHERWISE INDICATED.

CONTINUED ON THE NEXT DRAWING

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REV	DATE	BY	DESCRIPTION

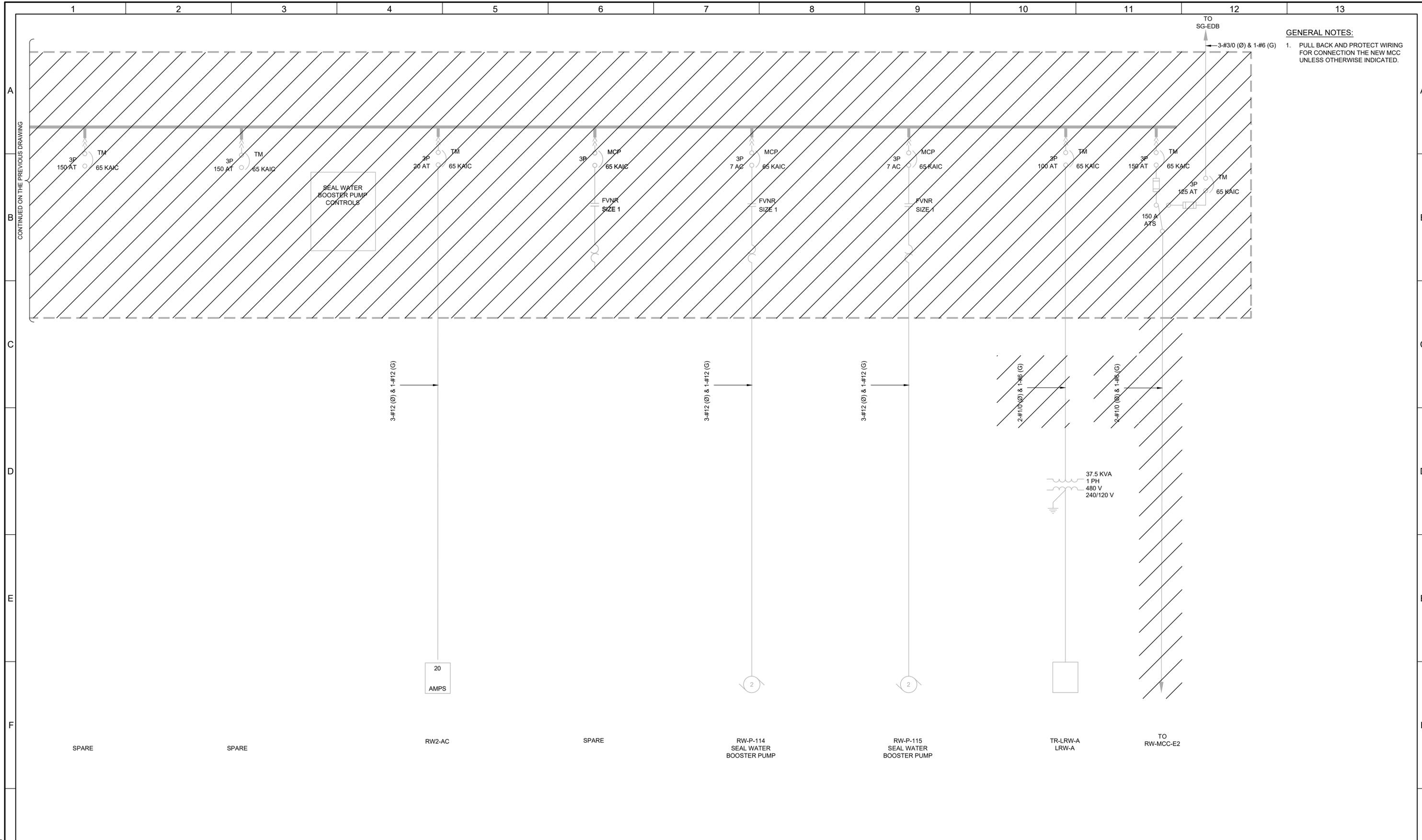
DESIGNED CAC	
DRAWN TLM	
CHECKED JGB	
DATE MARCH 2026	



7495 South 1300 West  
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SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
 RW-MCC-C  
 DEMOLITION ONE-LINE 1

VERIFY SCALES	JOB NO. 202633
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. D-OL-RW-12
0 1"	SHEET NO. 46 OF 152
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	



CONTINUED ON THE PREVIOUS DRAWING

**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION THE NEW MCC UNLESS OTHERWISE INDICATED.

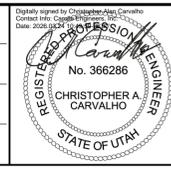
REV	DATE	BY	DESCRIPTION
1			
2			
3			

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CAC

DRAWN  
TLM

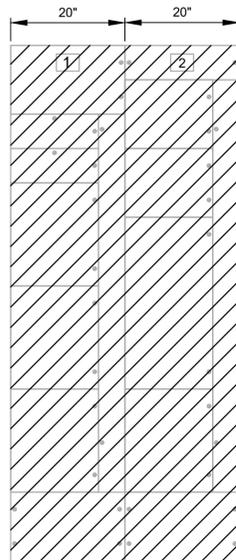
CHECKED  
JGB

DATE  
MARCH 2026



**SV South Valley**  
 WATER RECLAMATION FACILITY  
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 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION MCC REPLACEMENT PROJECT ELECTRICAL		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 202633
RW-MCC-C DEMOLITION ONE-LINE DIAGRAM 2		IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. <b>D-OL-RW-13</b>
			SHEET NO. 47 OF 152



RAS BUILDING NO. 2

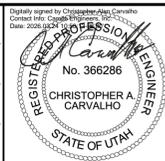
**RW-MCC-E2 ELEVATION**

- 1A- INCOMING LINE      2A- SCUM PUMP  
RW-P-112
  
- 1B- FC-DPP-A            2B- SCUM PUMP  
RW-P-113
  
- 1C- LIGHTING PANEL    2E- SCUM PUMPING  
LRW-E                    AUXILIARY  
   CONTROL
  
- 1D- CLARIFIER DRIVE    2J- SPACE  
FC-ME-106
  
- 1G- CLARIFIER DRIVE  
FC-ME-106
  
- 1J- SPACE

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CAC  
DRAWN  
TLM  
CHECKED  
JGB  
DATE  
MARCH 2026

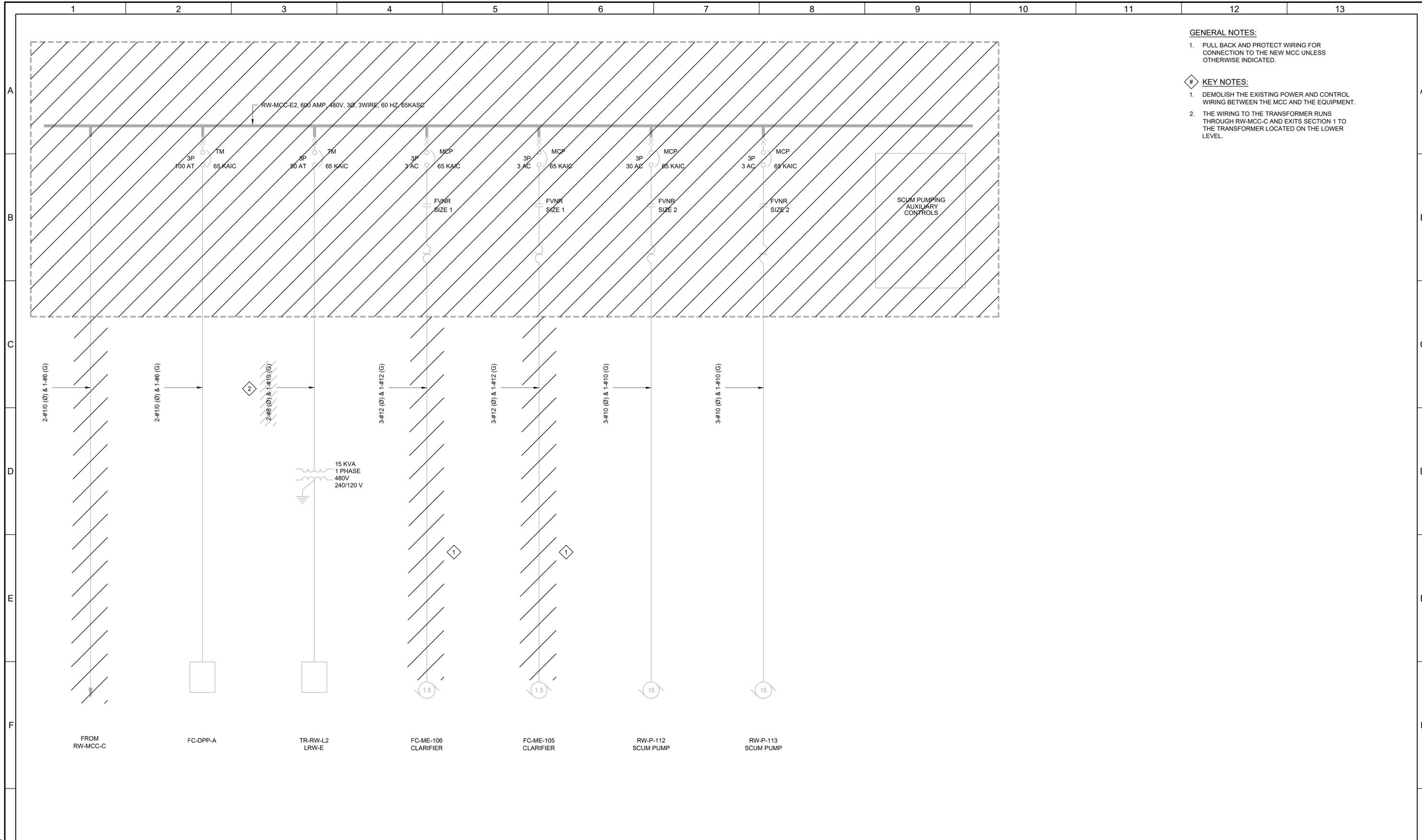


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SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
**RW-MCC-E2  
DEMOLITION ELEVATION**

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633  
DRAWING NO.  
**D-OL-RW-14**  
SHEET NO.  
48 OF 152



- GENERAL NOTES:**
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.
- KEY NOTES:**
- DEMOLISH THE EXISTING POWER AND CONTROL WIRING BETWEEN THE MCC AND THE EQUIPMENT.
  - THE WIRING TO THE TRANSFORMER RUNS THROUGH RW-MCC-C AND EXITS SECTION 1 TO THE TRANSFORMER LOCATED ON THE LOWER LEVEL.

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REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED  
CAC

DRAWN  
TLM

CHECKED  
JGB

DATE  
MARCH 2026

Digitally signed by Christopher A. Carvalho  
Contact info: CAC@carollo.com  
Date: 2026.03.04 10:00:00 -0500

**REGISTERED PROFESSIONAL ENGINEER**  
No. 366286  
CHRISTOPHER A. CARVALHO  
STATE OF UTAH



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WATER RECLAMATION FACILITY  
7495 South 1300 West  
West Jordan, Utah 84084

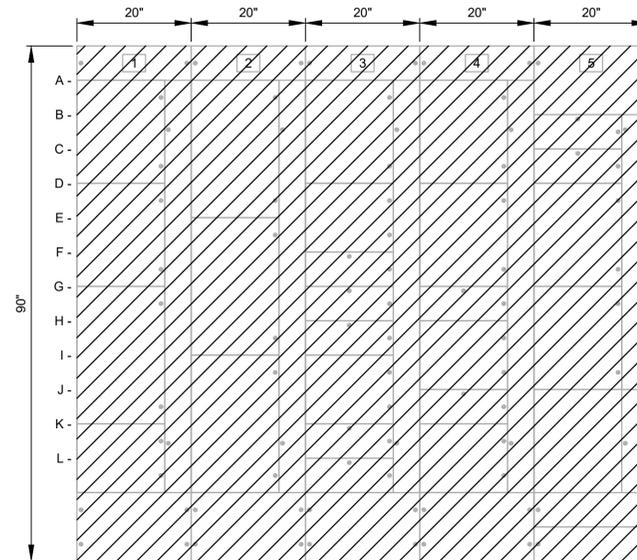
SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
**RW-MCC-E2**  
DEMOLITION ONE-LINE DIAGRAM

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633

DRAWING NO.  
**D-OL-RW-15**

SHEET NO.  
49 OF 152



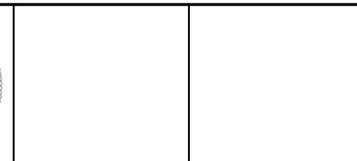
SOLIDS HANDLING BUILDING  
**SP-MCC-A ELEVATION**

- |  |  |  |                                      |                          |
|--|--|--|--------------------------------------|--------------------------|
| 1A- SOUTH SCREW CONVEYOR<br>CVA-1741       | 2A- SOLUTION POLYMER TRANSFER PUMP<br>SP-P-4 | 3A- POLYMER TANK MIXER<br>SP-MX-1          | 4A- POLYMER TANK MIXER<br>SP-MX-2    | 5B- SPACE                |
| 1D- POLYMER RECIRCULATION PUMP<br>PMP-2205 | 2E- SOLUTION POLYMER TRANSFER PUMP<br>SP-P-3 | 3D- SPACE                                  | 4D- BOOSTER FAN<br>BF-1              | 5C- SUPPLY FAN 1001      |
| 1G- MAIN DISCONNECT FOR ES-1               | 2I- POLYMER RECIRCULATION PUMP<br>PMP-2205   | 3F- SPACE                                  | 4G- ROOFTOP HVAC UNIT<br>RTU-1004    | 5D- SPACE                |
| 1K- INCOMING POWER TB                      |  | 3G- SPACE                                  | 4H- SPACE                            | 5F- SPARE                |
|  |  | 3H- SP-P-18 & SP-P-19<br>SUMP PUMPS        | 4J- AC CONDENSER TO RADIO TOWER ROOM | 5I- EXF-1002 EXHAUST FAN |
|  |  | 3I- SPACE                                  | 4K- MCC-E FEED TO TRANSFER SWITCH    |                          |
|  |  | 3K- SPACE                                  |                                      |                          |
|  |  | 3L- FAN/AC INDOOR UNIT TO RADIO TOWER ROOM |                                      |                          |

LAST SAVED BY: evandboom

REV	DATE	BY	DESCRIPTION

DESIGNED CAC	Digitally signed by Christopher A. Carvalho Contact Info: CAC@carollo.com Date: 2026.03.04 10:00:00 -0500
DRAWN TLM	
CHECKED JGB	
DATE MARCH 2026	



7495 South 1300 West  
 West Jordan, Utah 84084

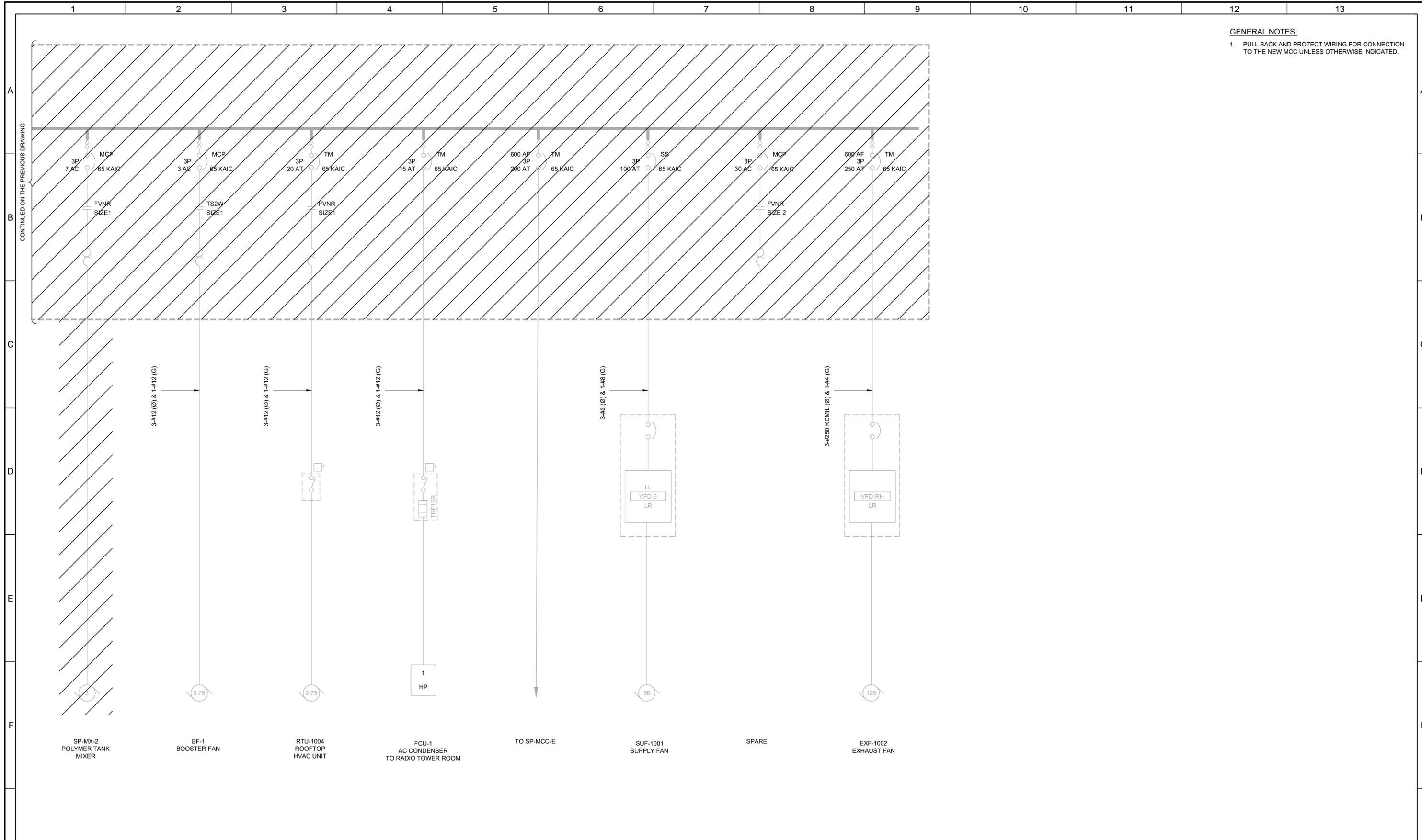
SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**SP-MCC-A**  
 DEMOLITION ELEVATION

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0  1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 202633 DRAWING NO. <b>D-OL-SP-1</b> SHEET NO. 50 OF 152
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**GENERAL NOTES:**

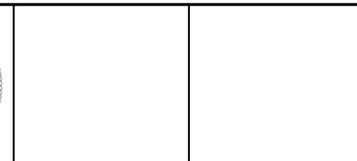
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.



LAST SAVED BY: L.Morris

REV	DATE	BY	DESCRIPTION

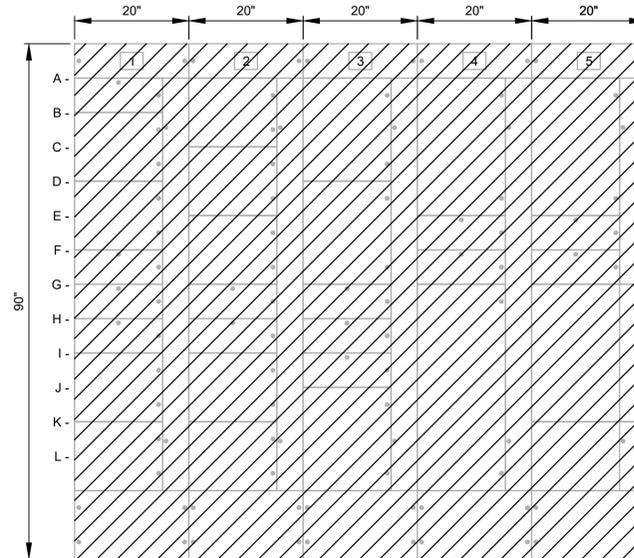
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CAC  
DRAWN  
TLM  
CHECKED  
JGB  
DATE  
MARCH 2026



**SOUTH VALLEY WATER RECLAMATION**  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
**SP-MCC-A**  
DEMOLITION ONE-LINE DIAGRAM 2

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
202633  
DRAWING NO.  
**D-OL-SP-3**  
SHEET NO.  
52 OF 152



SOLIDS HANDLING BUILDING

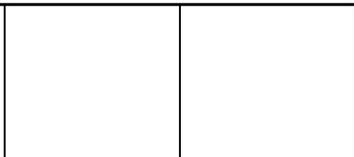
**SP-MCC-B ELEVATION**

- |  |  |  |  |  |
|--|--|--|--|--|
| 1A- PMP-2206<br>POLYMER<br>RECIRCULATION<br>PUMP | 2A- SUF-A-1005<br>TRANSFER FAN         | 3A- POLYMER TANK<br>MIXER<br>SP-MX-3     | 4A- SP-P-5<br>SOLID POLYMER<br>TRANSFER PUMP | 5A- PMP-2206<br>POLYMER<br>RECIRCULATION<br>PUMP |
| 1B- PUMP B<br>HEATING WATER<br>PUMP              | 2C- SUF-B-1005<br>TRANSFER FAN         | 3D- SPARE                                | 4D- LCP-1712<br>BELT PRESS FEED<br>PUMP      | 5E- TRANSFORMER<br>LP-3                          |
| 1D- PUMP C<br>HEATING WATER<br>PUMP              | 2E- SUF-C-1005<br>TRANSFER FAN         | 3G- POLYMER MIX FEED<br>UNIT<br>CHF-2211 | 4E- PMP-2233<br>DILUTE POLYMER<br>PUMP       | 5F- PMP-2234<br>DILUTE POLYMER<br>PUMP           |
| 1F- BL-1003<br>BOILER                            | 2G- BELT PRESS<br>LCP-1733             | 3H- POLYMER MIX FEED<br>UNIT<br>CHF-2212 | 4F- SPACE                                    | 5G- MAIN DISCONNECT<br>TO ES1-7                  |
| 1G- DOOR OPERATOR<br>EAST                        | 2H- BELT PRESS<br>LCP-1734             | 3I- PRESSURE<br>WASHER                   |  | 5K- INCOMING POWER<br>TB                         |
| 1H- DOOR OPERATOR<br>WEST                        | 2I- PUMP D<br>COIL CIRCULATION<br>PUMP | 3J- SPARE                                |  |  |
| 1I- PANEL SPLP<br>TRANSFORMER<br>FEEDER          | 2K- PUMP E<br>COIL CIRCULATION<br>PUMP |  |  |  |
| 1K- SPACE  |  |  |  |  |

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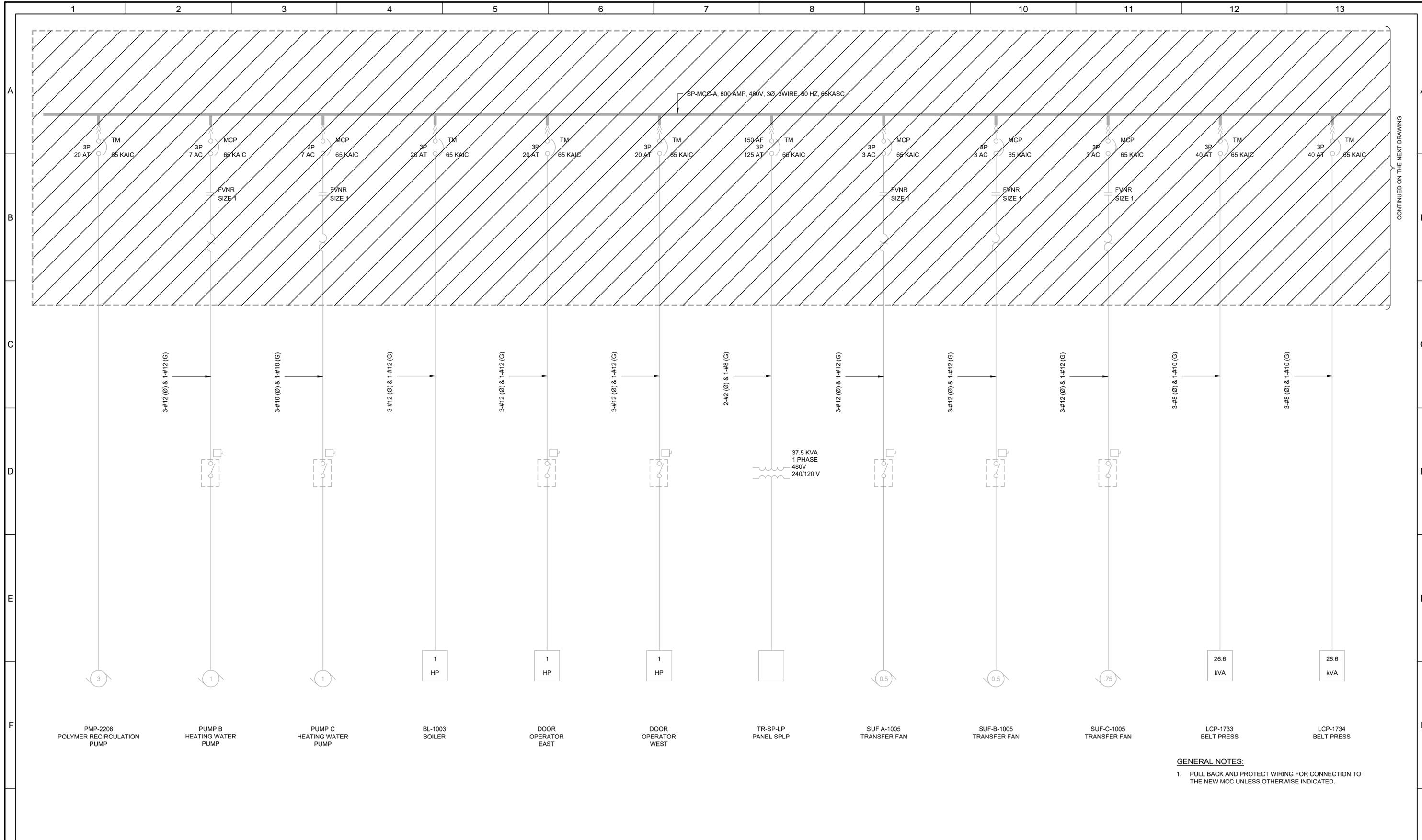


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SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
**SP-MCC-B  
DEMOLITION ELEVATION**

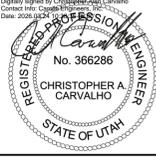
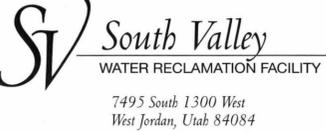
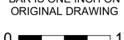
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BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

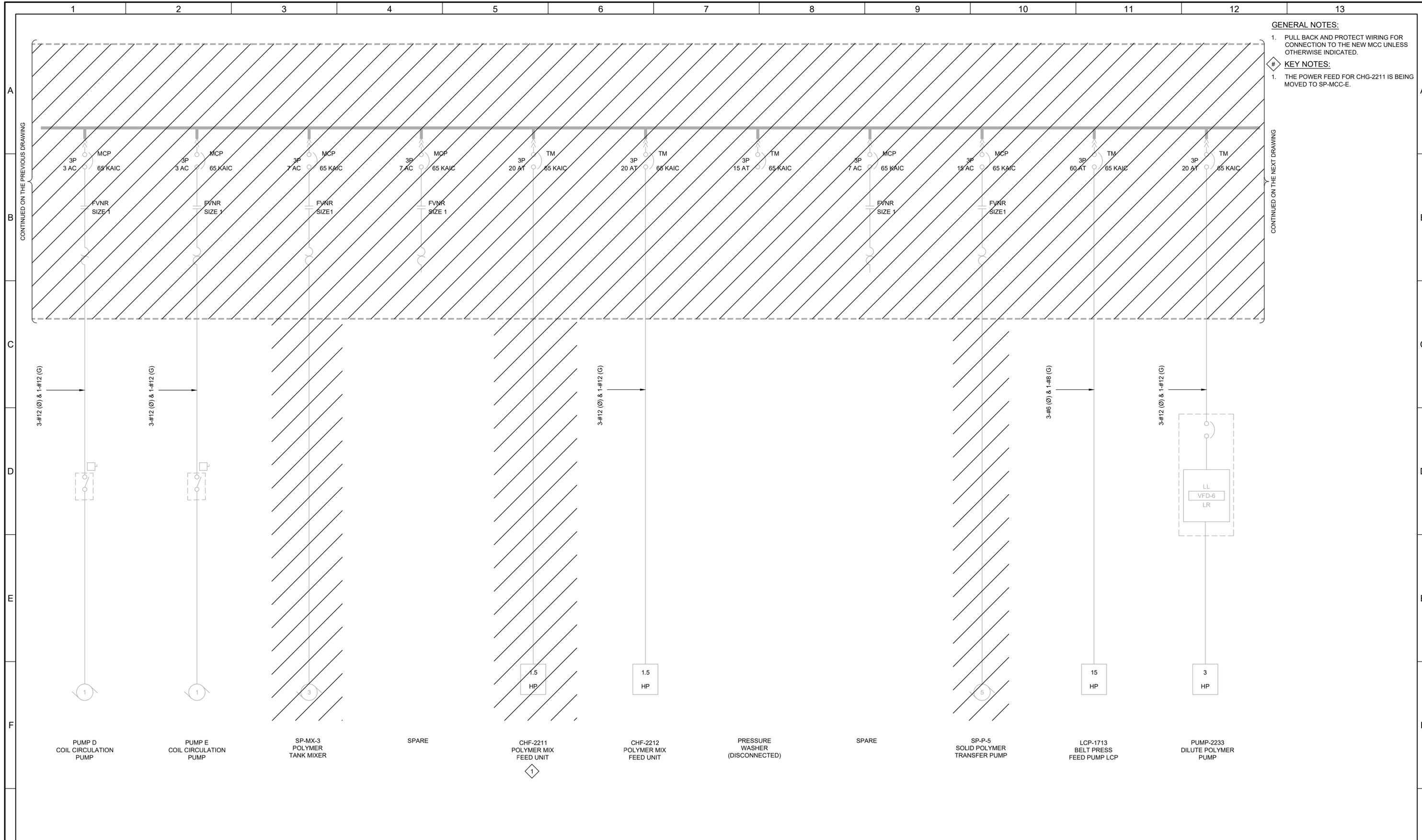
JOB NO.  
202633  
DRAWING NO.  
**D-OL-SP-4**  
SHEET NO.  
53 OF 152



CONTINUED ON THE NEXT DRAWING

- GENERAL NOTES:**
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.

LAST SAVED BY: jlarabee	DESIGNED CAC DRAWN TLM CHECKED JGB DATE MARCH 2026	Digitally signed by Christopher A. Carvalho Contact Info: CAC@carollo.com Date: 2026.03.04 10:00:00 -0500 			SOUTH VALLEY WATER RECLAMATION MCC REPLACEMENT PROJECT ELECTRICAL <b>SP-MCC-B</b> <b>DEMOLITION ONE-LINE DIAGRAM 1</b>	VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 202633 DRAWING NO. <b>D-OL-SP-5</b> SHEET NO. 54 OF 152								
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REV	DATE	BY	DESCRIPTION												
1															



- GENERAL NOTES:**
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.
- KEY NOTES:**
- THE POWER FEED FOR CHG-2211 IS BEING MOVED TO SP-MCC-E.

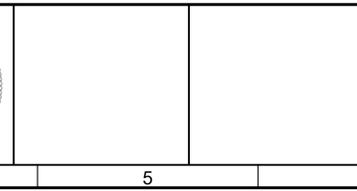
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WATER RECLAMATION FACILITY

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West Jordan, Utah 84084

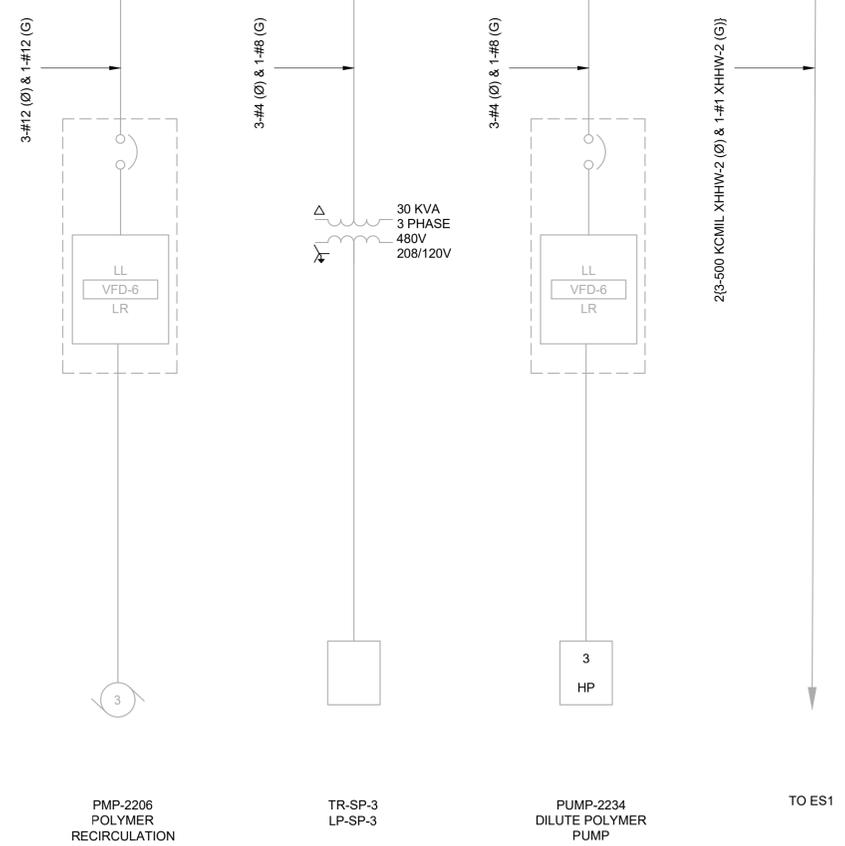
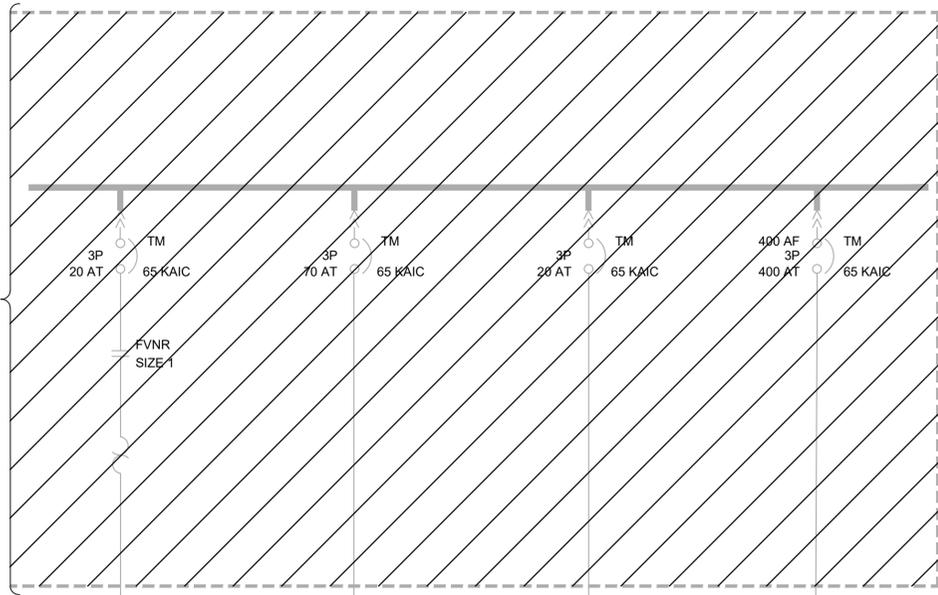
SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
**SP-MCC-B**  
DEMOLITION ONE-LINE DIAGRAM 2

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 202633
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. <b>D-OL-SP-6</b>
	SHEET NO. 55 OF 152

LAST SAVED BY: ccastille

**GENERAL NOTES:**

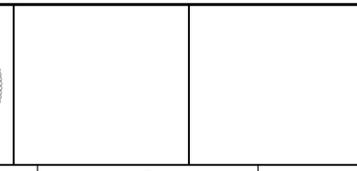
- PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.



LAST SAVED BY: evandoom

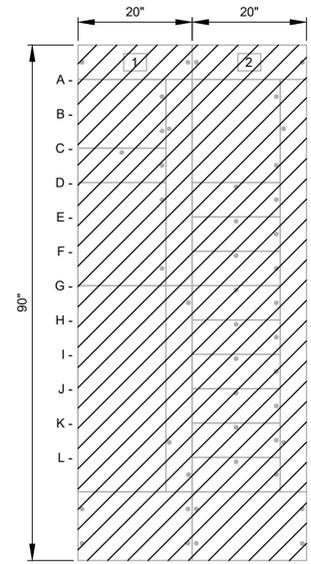
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DESIGNED CAC	
DRAWN TLM	
CHECKED TGB	
DATE MARCH 2026	



**SOUTH VALLEY WATER RECLAMATION**  
**MCC REPLACEMENT PROJECT**  
 ELECTRICAL  
**SP-MCC-B**  
**DEMOLITION ONE-LINE DIAGRAM 3**

VERIFY SCALES	JOB NO. 202633
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. <b>D-OL-SP-7</b>
0  1"	SHEET NO. 56 OF 152
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	



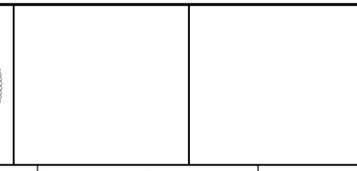
SOLIDS  
**SP-MCC-E ELEVATION**

- |                                      |   |
|--------------------------------------|---|
| 1A- CV-1742<br>FLAT BELT<br>CONVEYOR | 2A- CVB-1741<br>NORTH SCREW<br>CONVEYOR                       |
| 1C- LCP-1732<br>BELT PRESS NO 2      | 2D- PANEL SB1B  |
| 1D- MAIN DISCONNECT                  | 2E- PANEL SB1A  |
| 1G- AUTO TRANSFER<br>SWITCH          | 2F- LCP-1731<br>BELT PRESS NO 1                               |
|                                      | 2G- SP-B-1<br>AIR COMPRESSOR                                  |
|                                      | 2H- LCP-1743<br>LIVE BOTTOM BIN                               |
|                                      | 2I- LCP-1711<br>BELT PRESS FEED<br>PUMP<br>PMP-1711, PMP-1712 |
|                                      | 2J- EMV-1741<br>SLIDE GATE                                    |
|                                      | 2K- PMP-2231<br>DILUTE POLYMER<br>PUMP                        |
|                                      | 2L- PMP-2232<br>DILUTE POLYMER<br>PUMP                        |

LAST SAVED BY: TMorebbito

REV	DATE	BY	DESCRIPTION

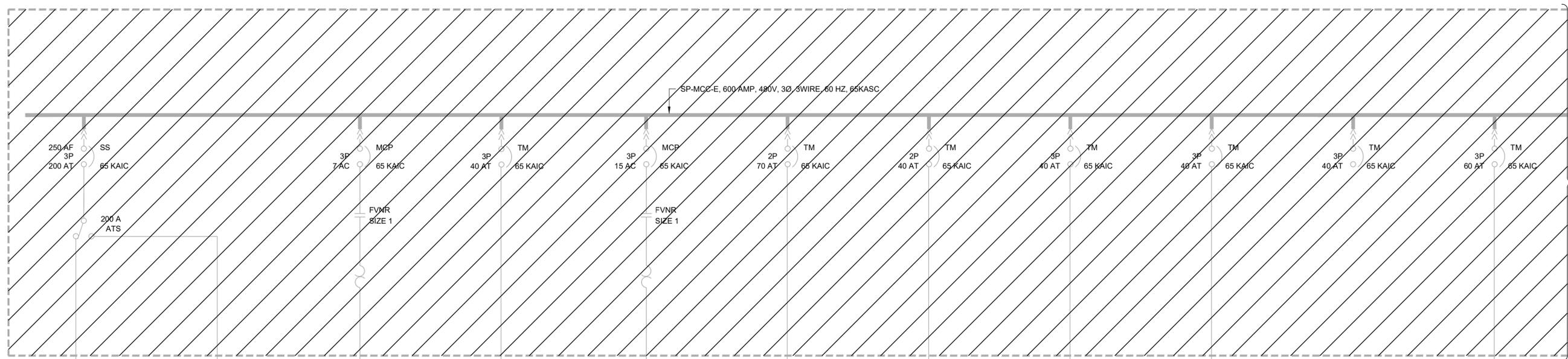
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DRAWN TLM
CHECKED JGB
DATE MARCH 2026



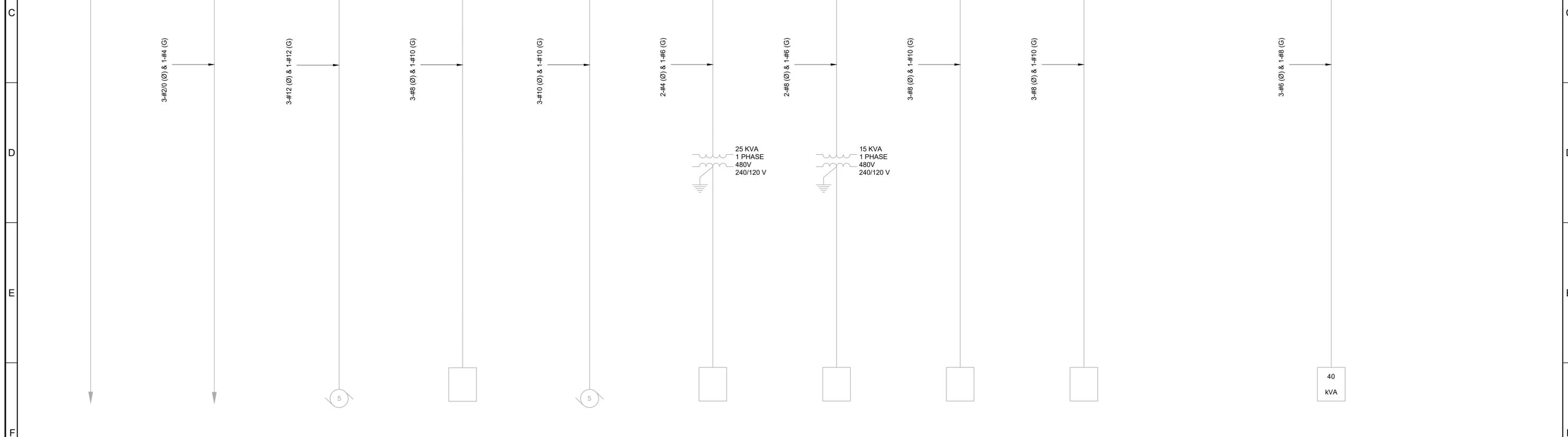
SOUTH VALLEY WATER RECLAMATION  
MCC REPLACEMENT PROJECT  
ELECTRICAL  
**SP-MCC-E  
DEMOLITION ELEVATION**

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 202633
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. <b>D-OL-SP-8</b>
	SHEET NO. 57 OF 152

**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.



CONTINUED ON THE NEXT DRAWING

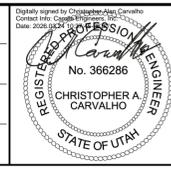


MAIN DISCONNECT TO SP-MCC-A      EMERGENCY POWER TO GT-EDB      CVA-1742 FLAT BELT CONVEYOR      LCP-1732 BELT PRESS NO. 2      CVB-1741 NORTH SCREW CONVEYOR      TR-SP-1B SP1B      TR-SP-1A SP1A      LCP-1731 BELT PRESS NO. 1      SP-B-1 AIR COMPRESSOR      LCP-1743 LIVE BOTTOM BIN (DISCONNECTED)      LCP-1711 BELT PRESS FEED PUMPS PMP-1711, PMP-1712

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 DATE MARCH 2026



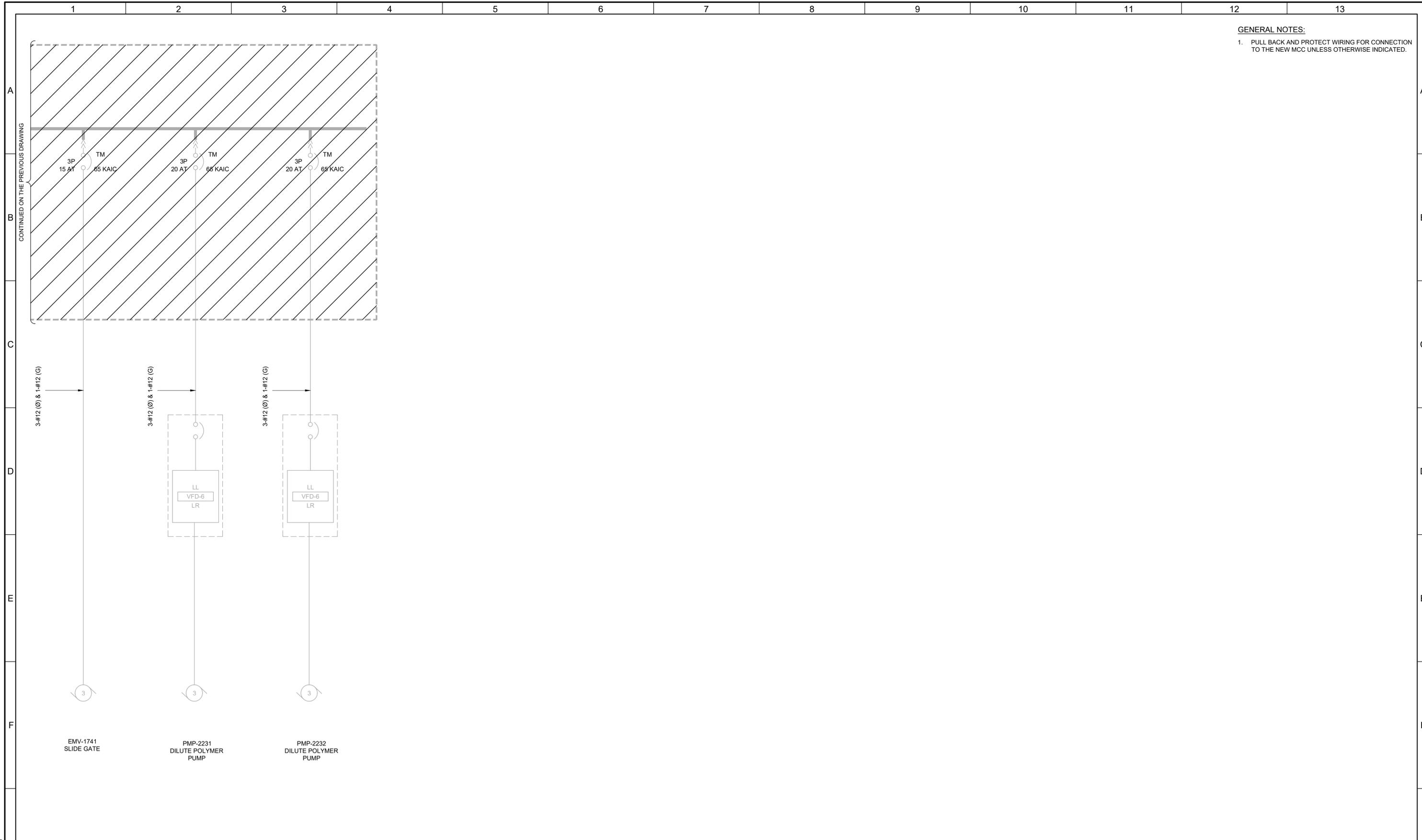
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 WATER RECLAMATION FACILITY  
 7495 South 1300 West  
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**SP-MCC-E**  
 DEMOLITION ONE-LINE DIAGRAM 1

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 202633  
 DRAWING NO. **D-OL-SP-9**  
 SHEET NO. 58 OF 152

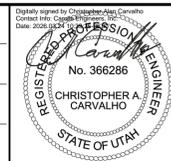
**GENERAL NOTES:**  
 1. PULL BACK AND PROTECT WIRING FOR CONNECTION TO THE NEW MCC UNLESS OTHERWISE INDICATED.



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REV	DATE	BY	DESCRIPTION

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CAC  
 DRAWN  
TLM  
 CHECKED  
JGB  
 DATE  
MARCH 2026



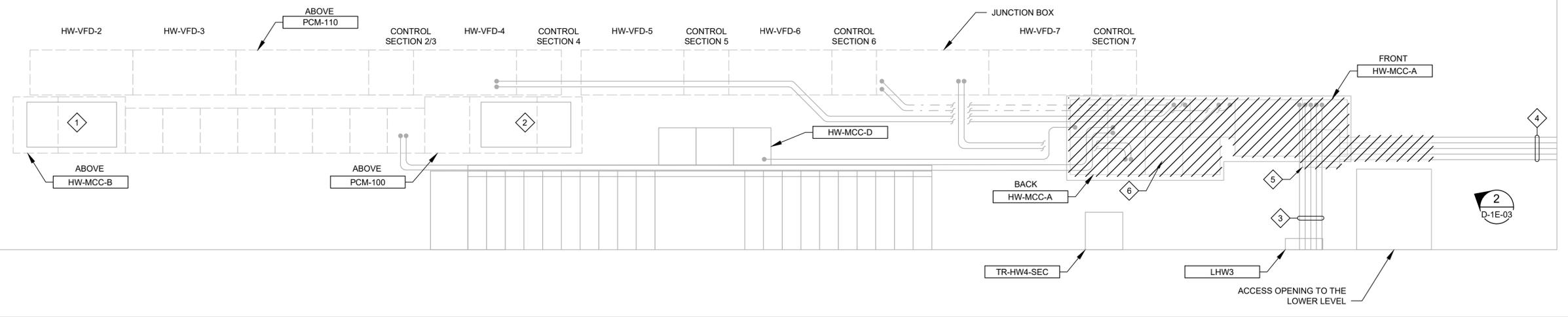
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 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION  
 MCC REPLACEMENT PROJECT  
 ELECTRICAL  
**SP-MCC-E**  
 DEMOLITION ONE-LINE DIAGRAM 2

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 202633
DRAWING NO. <b>D-OL-SP-10</b>
SHEET NO. 59 OF 152

- # KEY NOTES:
1. JUNCTION BOX FOR NORMAL AND EMERGENCY POWER TO HW-MCC-B.
  2. JUNCTION BOX LOCATED UNDER PCM-100.
  3. EMERGENCY POWER AND ATS CONTROL CONDUITS.
  4. UTILITY POWER CONDUITS.
  5. JUNCTION BOX.
  6. DEMOLISH THE HW-VFD-7 FEEDER CONDUITS AS NECESSARY TO CONNECT THE NEW HW-MCC-A SECTION. SEE DRAWING 1E-01.



PLAN  
 SCALE: 3/8" = 1'-0"  
 FILE: 01-089-903.dwg

LAST SAVED BY: evandboom

REV	DATE	BY	DESCRIPTION

DESIGNED  
CAC

DRAWN  
TLM

CHECKED

DATE  
MARCH 2026



**SV South Valley**  
 WATER RECLAMATION FACILITY  
 7495 South 1300 West  
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION MCC REPLACEMENT PROJECT ELECTRICAL		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 202633 DRAWING NO. <b>D-1E-01</b> SHEET NO. 60 OF 152
<b>HEADWORKS PUMP STATION EL. 74.5'</b> DEMOLITION PLAN			

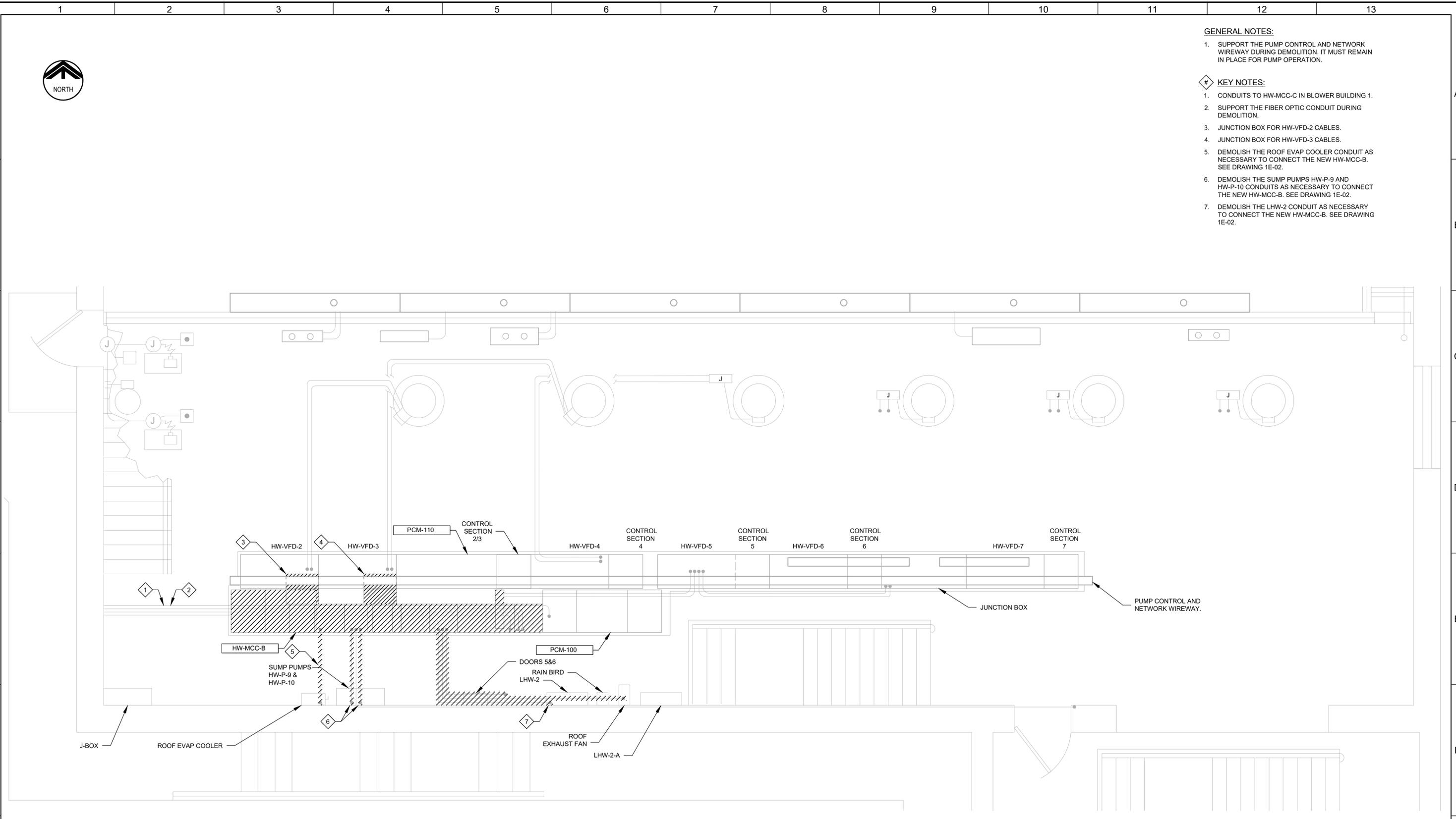


**GENERAL NOTES:**

1. SUPPORT THE PUMP CONTROL AND NETWORK WIREWAY DURING DEMOLITION. IT MUST REMAIN IN PLACE FOR PUMP OPERATION.

**KEY NOTES:**

1. CONDUITS TO HW-MCC-C IN BLOWER BUILDING 1.
2. SUPPORT THE FIBER OPTIC CONDUIT DURING DEMOLITION.
3. JUNCTION BOX FOR HW-VFD-2 CABLES.
4. JUNCTION BOX FOR HW-VFD-3 CABLES.
5. DEMOLISH THE ROOF EVAP COOLER CONDUIT AS NECESSARY TO CONNECT THE NEW HW-MCC-B. SEE DRAWING 1E-02.
6. DEMOLISH THE SUMP PUMPS HW-P-9 AND HW-P-10 CONDUITS AS NECESSARY TO CONNECT THE NEW HW-MCC-B. SEE DRAWING 1E-02.
7. DEMOLISH THE LHW-2 CONDUIT AS NECESSARY TO CONNECT THE NEW HW-MCC-B. SEE DRAWING 1E-02.



**PLAN**  
 SCALE: 3/8" = 1'-0"  
 FILE: 01-089-904

LAST SAVED BY: Chertrea

REV	DATE	BY	DESCRIPTION

DESIGNED CAC
DRAWN TLM
CHECKED
DATE MARCH 2026



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<b>HEADWORKS PUMP STATION EL. 87.0'</b> DEMOLITION PLAN			