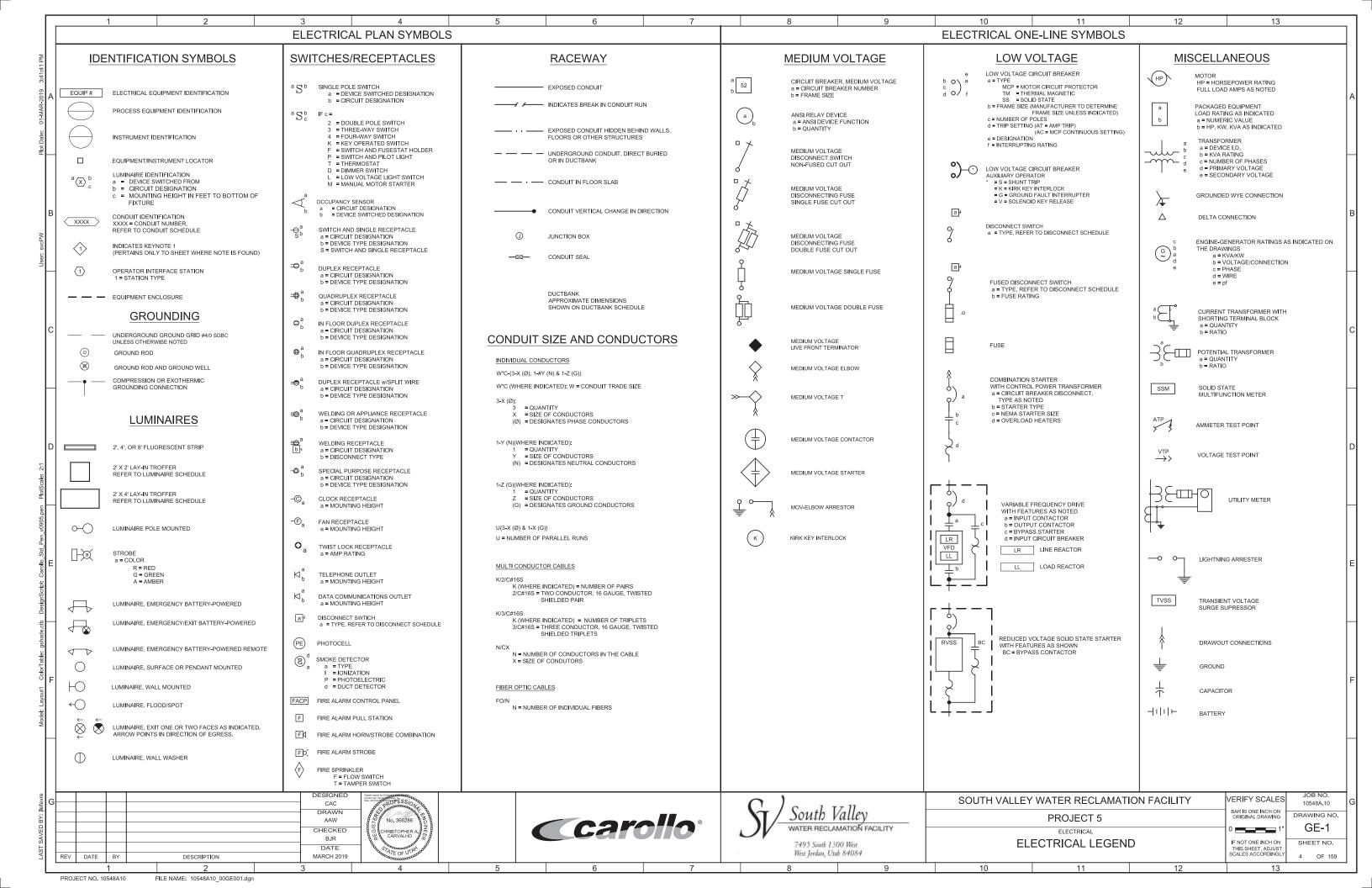
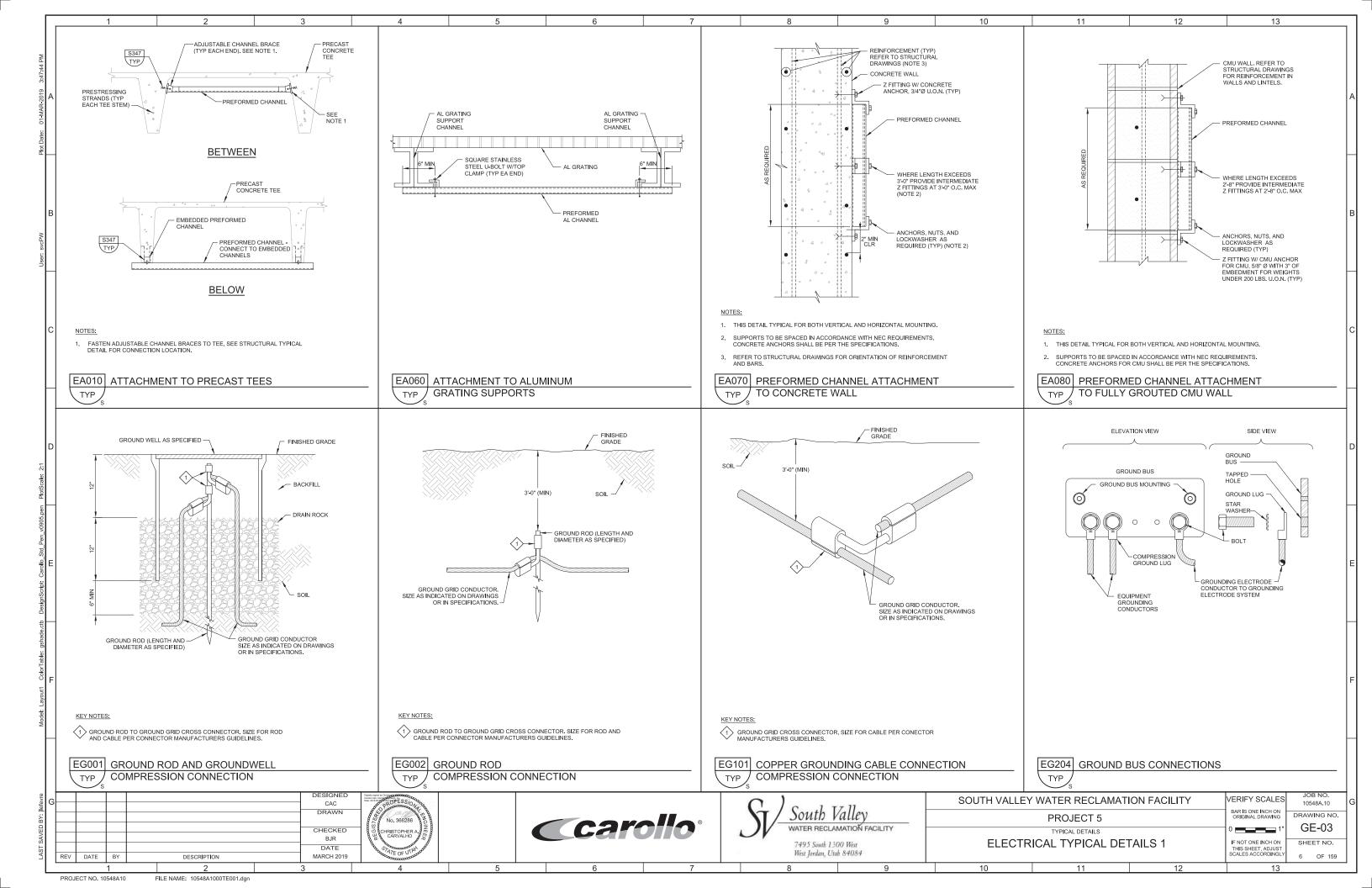
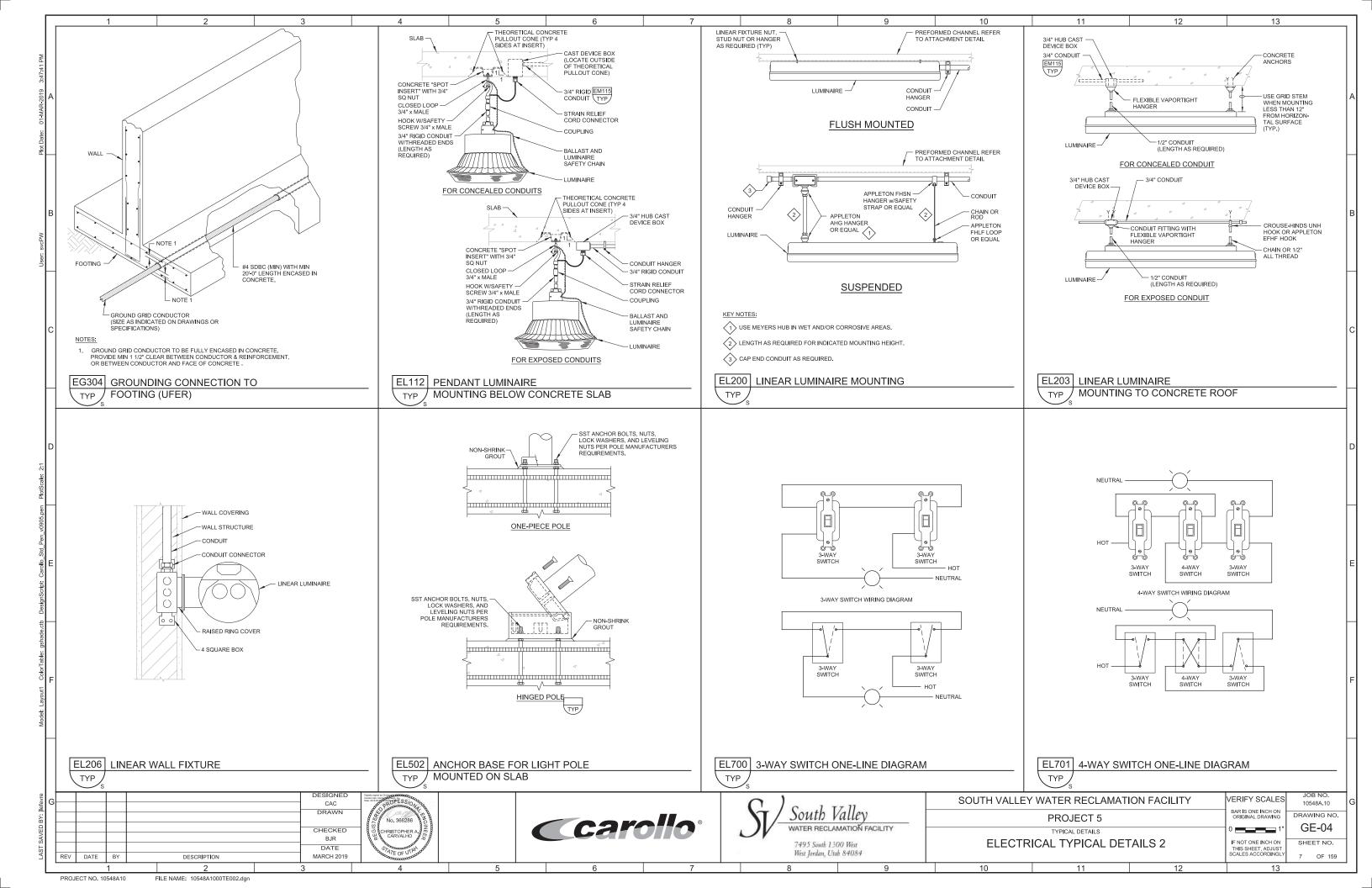
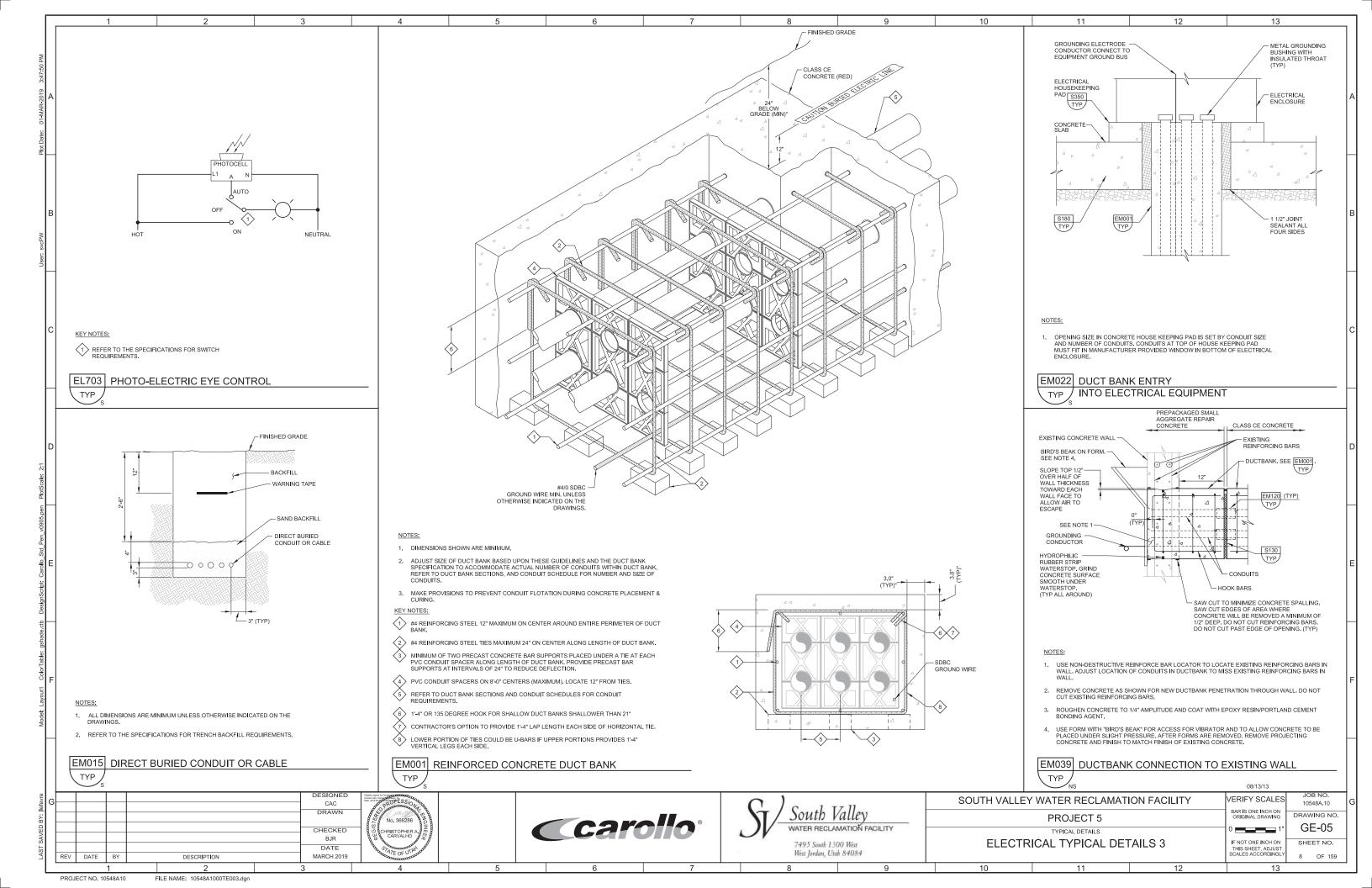


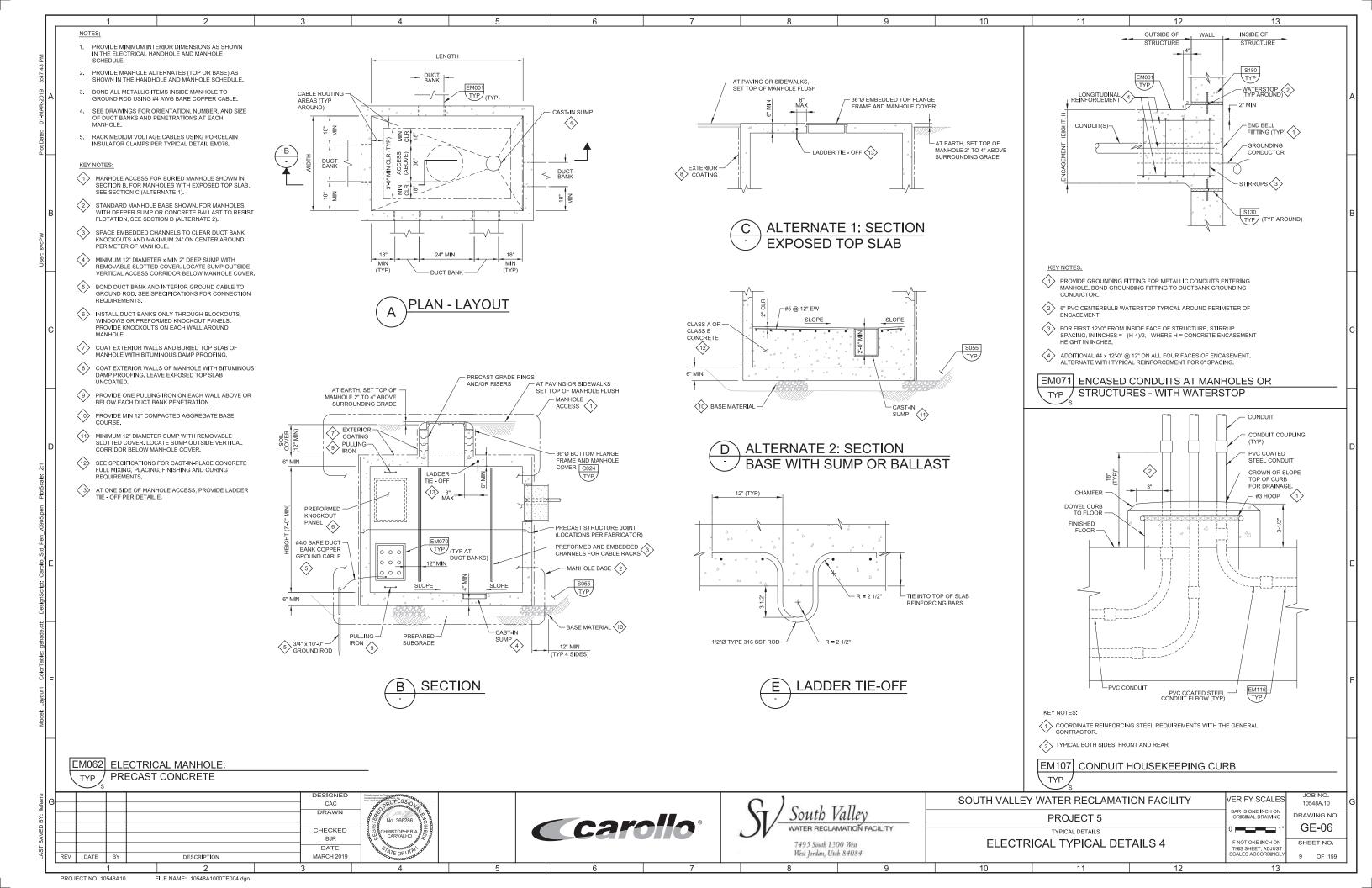
1	2 3	4 5		6	7	8	9	10		11	12	13
SHEET DRAWING NUMBER NUMBER			SHEET NUMBER	DRAWING NUMBER	TITLE			SHEET NUMBER	DRAWING NUMBER	TITLE		
	GENERAL				INSTRUMENTATION					INSTRUMENTATION C	ONTINUED	-
1 G-01	COVER SHEET		73	G I- 01	SYMBOLS AND ABBREVIATI	ONS - I		405	DI46 OF	DIODEACTOR NO. 0.22	ONE OV 10 DADT 2 DAID	
2 G-02	LOCATION, VICINITY AND SITE MAPS		74	G I- 02	SYMBOLS AND ABBREVIATI	ONS - II		125 126	PI16-25 PI16-26	BIOREACTOR NO. 3 ZO BIOREACTOR NO. 3 AI	ONE OX-10 PART 2 P&ID R DISTRIBUTION P&ID	
3 G-03	SHEET INDEX		75 76	G I- 03 G I- 04	SYMBOLS AND ABBREVIATI SYMBOLS AND ABBREVIATI			127	PI16-27	BIOREACTOR NO. 4 ZO		
	ELECTRICAL		77	G I- 05	SCHEMATIC SYMBOLS			128 129	PI16-28	BIOREACTOR NO. 4 ZO BIOREACTOR NO. 4 ZO		
4 GE-01	ELECTRICAL LEGEND		78 79	GI-06 GI-07	INSTRUMENTATION TYPICA INSTRUMENTATION TYPICA			130	PI16-29 PI16-30	BIOREACTOR NO. 4 ZO		
5 GE-02	ELECTRICAL ABBREVIATIONS		80	GI-09	INSTRUMENTATION TYPICA			131	PI16-31	BIOREACTOR NO. 4 ZO		
6 GE-03	ELECTRICAL TYPICAL DETAILS 1 ELECTRICAL TYPICAL DETAILS 2		81	GI-10	INSTRUMENTATION TYPICA			132 133	PI16-32 PI16-33	BIOREACTOR NO. 4 ZO BIOREACTOR NO. 4 ZO		
7 GE-04 8 GE-05	ELECTRICAL TYPICAL DETAILS 2 ELECTRICAL TYPICAL DETAILS 3		82 83	G l- 11 G l- 12	INSTRUMENTATION TYPICA CONTROL SYSTEM BLOCK			134	PI16-33	BIOREACTOR NO. 4 ZO		
9 GE-06	ELECTRICAL TYPICAL DETAILS 4		84	GI-13	CONTROL SYSTEM BLOCK			135	PI16-35	BIOREACTOR NO. 4 ZO	ONE OX-8 P&ID	
10 GE-07 11 GE-08	ELECTRICAL TYPICAL DETAILS 5 ELECTRICAL TYPICAL DETAILS 6		85 86	G I- 14 G I- 15	CONTROL SYSTEM BLOCK BIOREACTORS NO. 2 AND N			136 137	PI16-36 PI16-37	BIOREACTOR NO. 4 ZO	ONE OX-9 P&ID ONE OX-10 PART 1 P&ID	
12 GE - 09	ELECTRICAL TYPICAL DETAILS 7		87	G I- 16	BIOREACTOR NO. 4 AND GR	IT BASIN VALVE NETWORKS		138	PI16-38		ONE OX-10 PART 1 PAID	
13 GE-SC-0 ⁻ 14 GE-SC-0 ⁻			88 89	GI-17 GI-18	BIOREACTOR ANALYZER N PCM-600A EXTERNAL ELEV			139	PI16-39	BIOREACTOR NO. 4 AI		
15 GE-SC-03			90	GI-18 GI-19	PCM-600A INTERNAL ELEVA			140 141	PI16-40 PI21-01	BIOREACTORS MISCE GRIT BASIN NO. 1 P&II	LLANEOUS SIGNALS P&ID	
16 GE-OL-ESS 17 GE-OL-ESS			91	G I- 20	PCM-2100 EXTERNAL ELEV	ATION		141	PI21-01 PI21-02	GRIT BASIN NO. 1 PAIL		
18 GE-OL-ES5			92	GI-21	PCM-2100 INTERNAL ELEVA			143	PI21-03	GRIT BASIN NO. 3 P&I		
19 GE-OL-ES5	ES-5 ONE-LINE DIAGRAM - III		93 94	GI-22 GI-23	DIGITAL NETWORK TABLES DIGITAL NETWORK TABLES			144	PI21-04	GRIT PUMPS NO. 1 & 2		
20 GE-OL-ES5 21 GE-OL-ES5			95	GI-24	SAMPLE LOOP DRAWING			145 146	Pl21-05 Pl21-06	GRIT PUMPS NO. 3 & 4 GRIT PUMPS NO. 5 & 6		
22 GE-OL-16	1 BR-MCC-2 REVISED ELEVATION		96	IS-01	CONTROL SCHEMATICS - I			147	PI21-07	GRIT WASHER NO. 1 P		
23 GE-OL-16-			97 98	IS-02 IS-03	CONTROL SCHEMATICS - II CONTROL SCHEMATICS - II			148	PI21-08	GRIT WASHER NO. 2 P		
24 GE-OL-16- 25 GE-OL-16-			99	IS-03	CONTROL SCHEMATICS - II			149 150	Pl21-09 Pl21-10	GRIT WASHER NO. 3 P	&ID ING ODOR CONTROL P&ID - 1	
26 GE-OL-16-	5 BR-MCC-3 REVISED ELEVATION		100	IS-05	CONTROL SCHEMATICS - V			151	PI21-10		ING ODOR CONTROL P&ID - 1	
27 GE-OL-16- 28 GE-OL-16-			101	PI16-01	BIOREACTOR NO. 2 ZONE A			152	P I 21-12	GRIT REMOVAL BUILD	ING FIRE ALARM SYSTEM P&ID	
29 GE-OL-16-			102 103	PI16-02 PI16-03	BIOREACTOR NO. 2 ZONE A BIOREACTOR NO. 2 ZONE A			153	PI21-13		ING GAS DETECTION P&ID	ID.
30 GE-OL-16-	9 BR-MCC-4 REVISED ELEVATION		104	PI16-04	BIOREACTOR NO. 2 ZONE A			154 155	Pl21-14 Pl21-15	GRIT REMOVAL BUILD GRIT REMOVAL BUILD	ING MISCELLANEOUS SIGNALS P& ING HVAC P&ID - I	dn
31 GE-OL-16- 32 GE-OL-16-			105	P I 16-05	BIOREACTOR NO. 2 ZONE O			156	Pl21-16	GRIT REMOVAL BUILD		
33 GE-OL-16-	12 BR-MCC-4 REVISED ONE-LINE DIAGRAM - III		106 107	PI16-06 PI16-07	BIOREACTOR NO. 2 ZONE O BIOREACTOR NO. 2 ZONE O			157	P I 21-17	GRIT REMOVAL BUILD		
34 GE-OL-16- 35 GE-OL-16-			107	PI16-08	BIOREACTOR NO. 2 ZONE O			158 159	Pl21-18 Pl21-19	GRIT REMOVAL BUILD GRIT REMOVAL BUILD		
35 GE-OL-16- 36 GE-OL-16-			109	P I 16-09	BIOREACTOR NO. 2 ZONE O	X-8 P&ID		159	PIZ1-19	GRIT REWOVAL BUILD	ING HVAC PAID - V	
37 GE-OL-16-	16 BR-MCC-3A ELEVATION		110	PI16-10	BIOREACTOR NO. 2 ZONE O							
38 GE-OL-16- 39 GE-OL-16-			111 112	PI16-11 PI16-12	BIOREACTOR NO. 2 ZONE O BIOREACTOR NO. 2 ZONE O							
40 GE-OL-16-			113	PI16-12	BIOREACTOR NO. 2 AIR DIS							
41 GE-OL-16-2	20 BR-MCC-4A ONE-LINE DIAGRAM - I		114	P I 16-14	BIOREACTOR NO. 3 ZONE A	N-1 P&ID						
42 GE-OL-16- 43 GE-OL-21-			115 116	PI16-15 PI16-16	BIOREACTOR NO. 3 ZONE A							
44 GE-OL-21-	2 GRB-MCC-1 ONE-LINE DIAGRAM - I		116	PI16-16 PI16-17	BIOREACTOR NO. 3 ZONE A BIOREACTOR NO. 3 ZONE A							
45 GE-OL-21- 46 GE-OL-21-			118	PI16-18	BIOREACTOR NO. 3 ZONE O	X-4 P& I D						
46 GE-OL-21- 47 GE-OL-SG			119	PI16-19	BIOREACTOR NO. 3 ZONE (
48 GE-SE-01			120 121	PI16-20 PI16-21	BIOREACTOR NO. 3 ZONE O BIOREACTOR NO. 3 ZONE O							
49 GE-SE-18 50 GE-SE-19			122	P I 16-22	BIOREACTOR NO. 3 ZONE O	X-8 P& I D						
51 GE-SE-37	DUCT BANK SECTIONS		123	PI16-23	BIOREACTOR NO. 3 ZONE O							
52 E11-1 53 E13-1	EMERGENCY GENERATOR BUILDING PLAN BLOWER BUILDING NO. 3 PARTIAL PLAN		124	PI16-24	BIOREACTOR NO. 3 ZONE O	A-TU PAKT 1 P&ID						
54 E16-1	BIOREACTOR 1-4 SITE PLAN											
55 E16-2 56 E16-3	BIOREACTOR 2 POWER PLAN											
56 E16-3 57 E16-4	BIOREACTOR 2 POWER PLAN BIOREACTOR 3 POWER PLAN											
58 E16-5	BIOREACTOR 4 POWER PLAN											
59 E16-7 60 E16-8	BIOREACTOR 2 CONTROL PLAN BIOREACTOR 3 CONTROL PLAN											
61 E16-9	BIOREACTOR 4 CONTROL PLAN											
62 E16-10	BIOREACTOR MCC POWER CENTERS PLAN NOT USED											
63 64 E16-12	BIOREACTOR WIREWAY SECTION											
65 E16-13	BIOREACTOR NO. 5 ELECTRICAL ROOM PLAN	DOWED AND CONTEST STATE										
66 E21-1 67 E21-2	GRIT REMOVAL BUILDING LOWER LEVEL UNDERGROUND GRIT REMOVAL BUILDING LOWER LEVEL POWER AND COI											
68 E21-3	GRIT REMOVAL BUILDING LOWER LEVEL OVERHEAD POW	/ER AND CONTROL PLAN										
69 E21-4	GRIT REMOVAL BUILDING UPPER LEVEL POWER AND CON											
70 E21-5 71 E21-6	GRIT REMOVAL BUILDING LOWER LEVEL LIGHTING AND G GRIT REMOVAL BUILDING UPPER LEVEL LIGHTING AND GI											
72 E21-7	BIOFILTER ELECTRICAL PLAN											
	DESIGNED JD	ROFESSIO				O_{1}		SOUTH V	ALLEY WA	TER RECLAMATIC	ON FACILITY VE	RIFY SCALES JO
	DRAWN	TOP THE PROPERTY OF THE PARTY O	1			South	h Valley				BA	R IS ONE INCH ON
	JRL	No. 9039577-2202		021	rollo [®]	/	RECLAMATION FACILITY		P	PROJECT 5		
	CHECKED TL/GCS	JAMES W. JAMES W. JEPPSON JEPSON JEPPSON JEPPS		Lai						GENERAL		
	DATE						outh 1300 West		SH	IEET INDEX	TH	NOT ONE INCH ON SHI
		ADE OF UNGOOD ADD ALE OF UNGOOD	1			West Torn	lan, Utah 84084	1			904	
DATE BY	DESCRIPTION MARCH 2019	againmonted.				rust jon	ani, Ciao Di Oot				307	ALES ACCORDINGLY 3

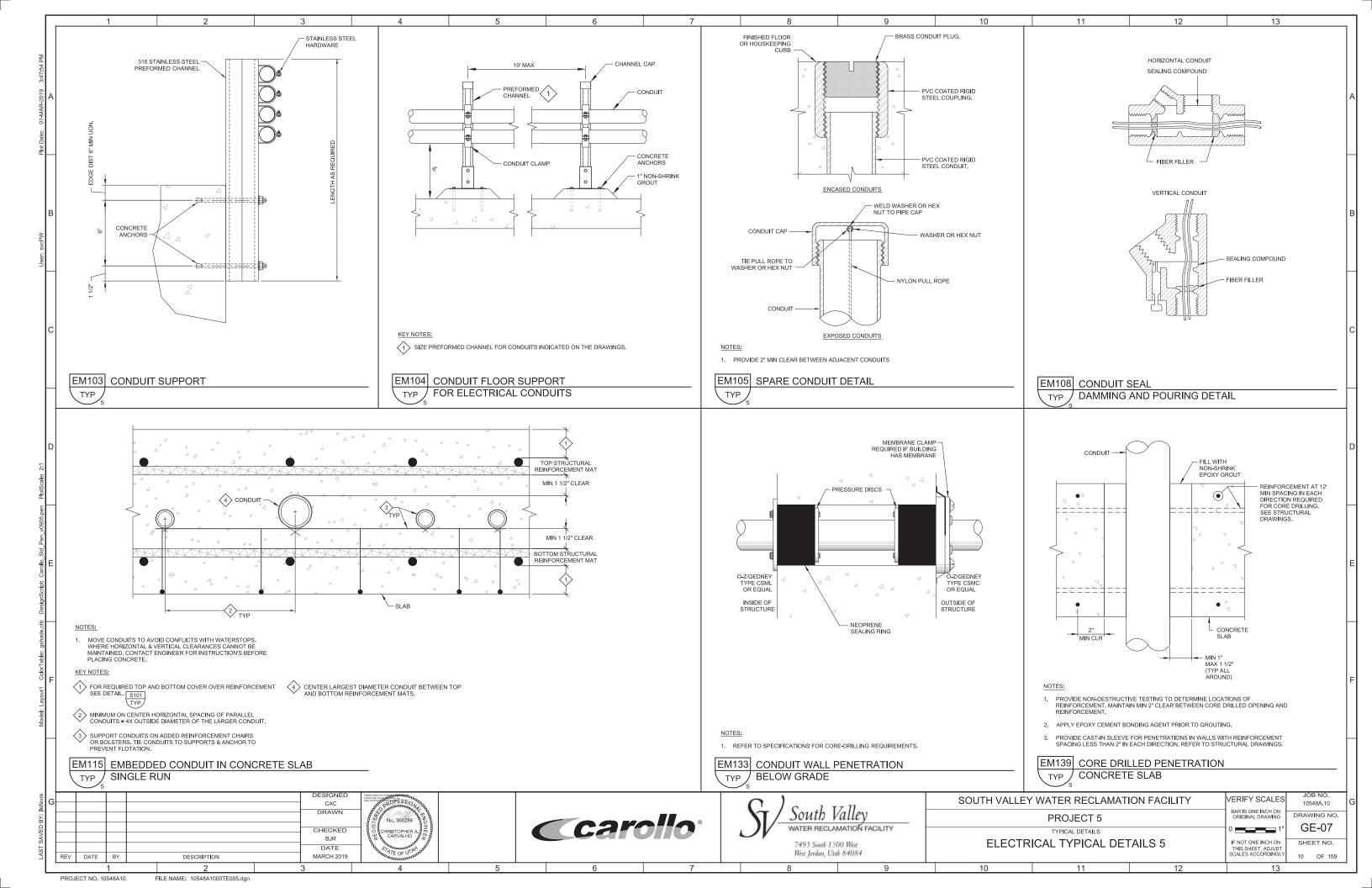


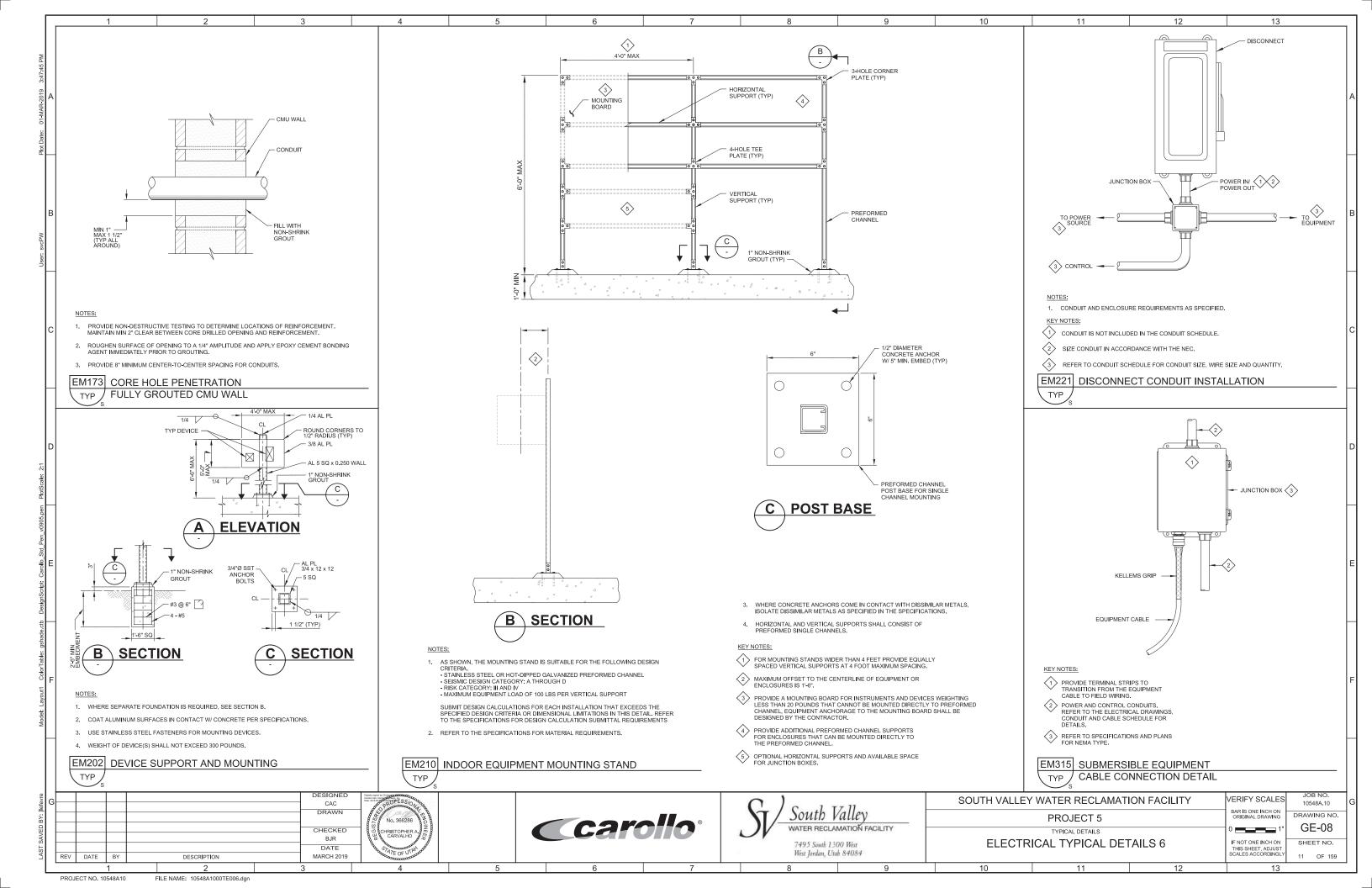


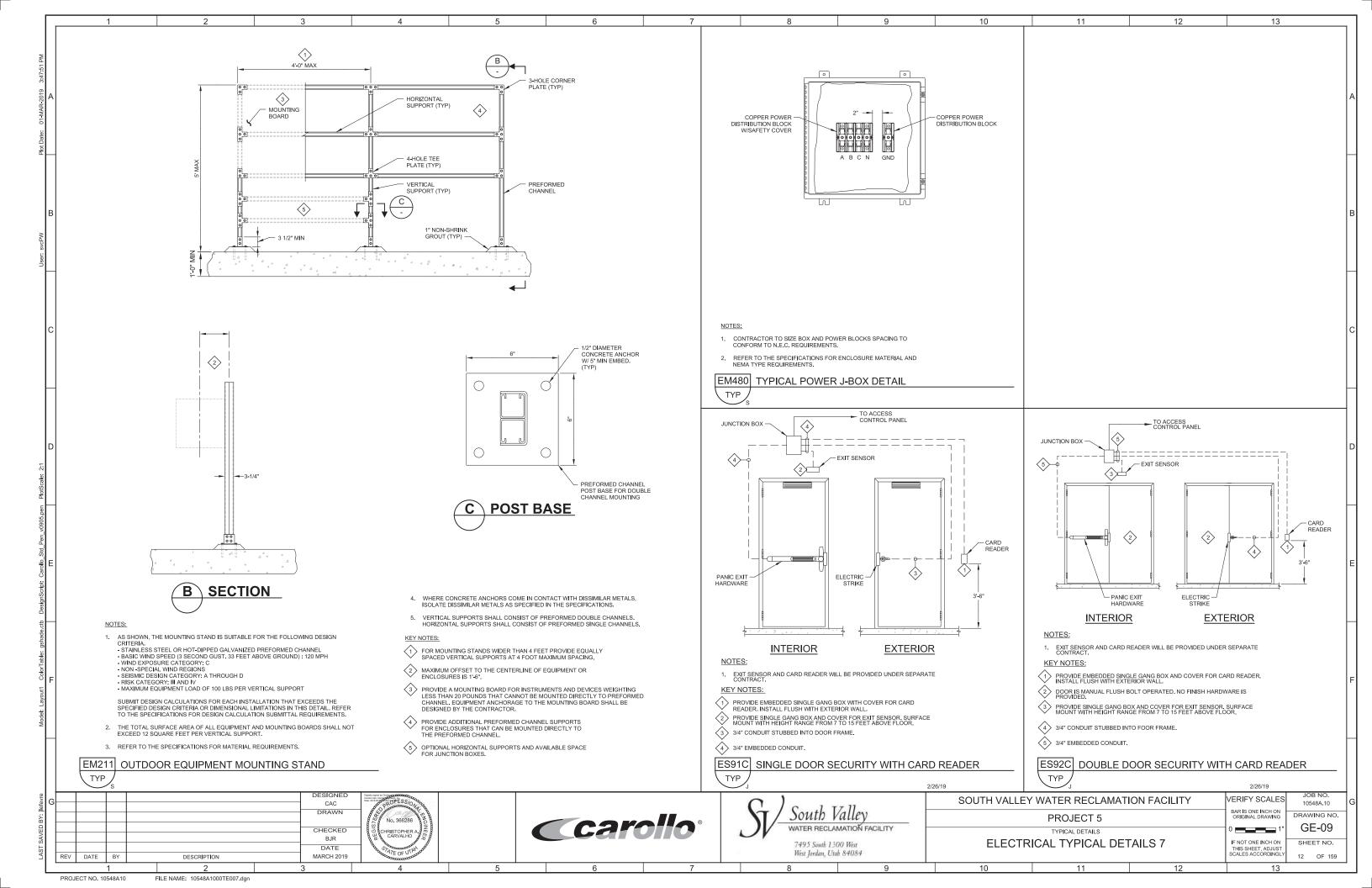


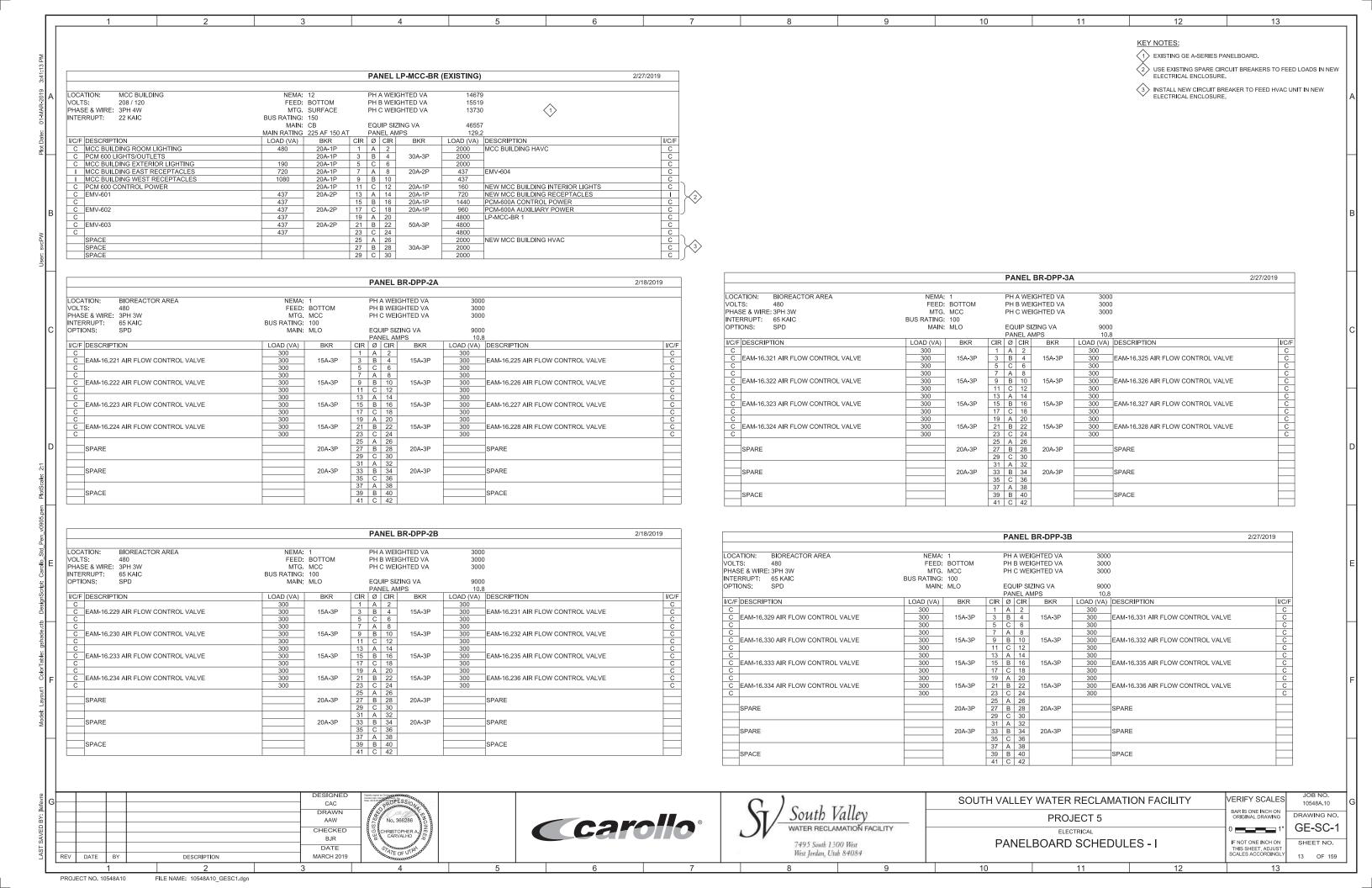


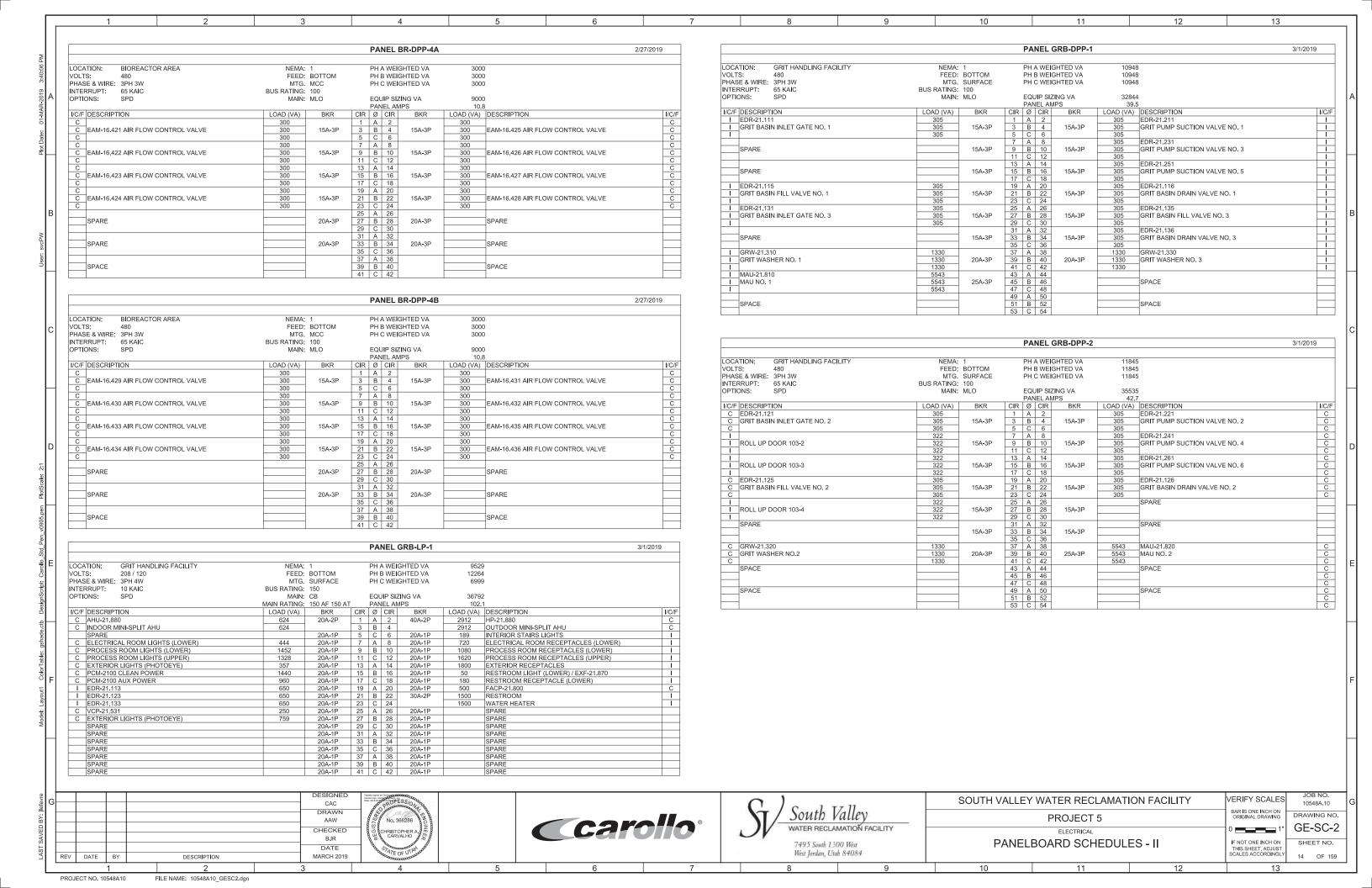












		LUMINAIRE SC	HEDULE				2/26/2019	9
ITEM	DESCRIPTION	MOUNTING		LAMP				
		METHOD	QUANTITY	TYPE	MANUFACTURER	CATALOG	VOLTS	VA
A1	SEALED, AND GASKETED LED LUMINAIRE, CLEAR POLYCARBONATE LENS 80 CRI, SUITABLE FOR WET LOCATIONS, W HIGH EFFICIENCY LEDS FOR AMBIENT TEMPERATURES -29 TO 40 DEG C, L80 AT 75,000 HOURS 0-10V DIMMING	CEILING MOUNT OR SUSPENDED AS NEEDED	N/A	LED 4000K	HOLOPHANE	EVT4 4000LM FST WD MVOLT GZ10 40K 80 CRI	120	37
A2	SEALED, AND GASKETED LED LUMINAIRE, CLEAR POLYCARBONATE LENS 80 CRI, SUITABLE FOR WET LOCATIONS, W HIGH EFFICIENCY LEDS FOR AMBIENT TEMPERATURES -29 TO 40 DEG C, L80 AT 75,000 HOURS 0-10V DIMMING	CEILING MOUNT OR SUSPENDED AS NEEDED	N/A	LED 4000K	HOLOPHANE	EVT4 12000LM FST WD MVOLT GZ10 40K 80 CRI	120	110
В	PHUZION LED HIGH BAY LUMINAIRE MAXIMUM AMBIENT RATING 65 DEG C CSA CERTIFIED FOR USE IN WET LOCATIONS 0-10V DIMMING STANDARD	PENDANT MOUNT	N/A	LED 4000K	HOLOPHANE	PHZ 24L 4K 80CRI AS P G W	120	190
С	D-SERIES SIZE 1 WALLPACK, BLACK FINISH MINIMUM TEMPERATURE RATING OF -40°C, IP65 RATED 0-10V DIMMING	WALL MOUNT	N/A	LED 3000K	LITHONIA	DSXW1 LED 20C 700 30K T3M MVOLT DMG DBLXD	120	51
D	D-SERIES SIZE 1 LED AREA LUMINAIRE, BLACK FINISH 70 CRI, MINIMUM TEMPERATURE RATING OF -40 DEG C, IP65 RATED SQUARE POLE MOUNTING	POLE MOUNT	N/A	LED 3000K	LITHONIA LITHONIA	DSX1LED P1 30K T4M MVOLT SPA PER DBLXD DLL127F 1.5 JU	120	60
Е	DELEON DLTL EL94V-0 FLAME RATING, WET LOCATION LISTED TEMPERATURE RATING OF -20°C TO 50°C	WALL MOUNT	N/A	LED	HOLOPHANE	DLTL W 1 G EL	120	4
F	CHAMP MLL SERIES LED LUMINAIRE, DIFFUSED POLYCARBONATE LENS SUITABLE FOR HAZARDOUS LOCATIONS, GRAY EPOXY PAINTED FOR AMBIENT TEMPERATURES 40 TO 65 DEG C, COOL WHITE	CEILING MOUNT OR SUSPENDED AS NEEDED	N/A	LED	CROUSE-HINDS	MLL 4/UNVI S903D P	120	73

		A	В	C	D	s
						_
VOLTAGE	120 VAC					XXX
	240 VAC					
	600 VAC	XXX	XXX	XXX	XXX	
	125 VDC					
	250 VDC					
	500 VDC					
POLES	1P					XXX
	2P					
	3P	XXX	XXX	XXX	XXX	
	6P					
	NEUT.					
	GND.					
AMPS	30A	XXX		XXX	XXX	XXX
	60A		XXX			
	100A					
	200A					
	400A					
	600A					
	1200A					
NEMA	1					
CLASS	2					
	3					
	3R					
	4					
	4X					
	4X-SS	XXX	XXX		XXX	XXX
	7					
	9					
	12			XXX		
TYPE	NON-FUSED	XXX	XXX	XXX	XXX	
	FUSED					
	CIRCUIT BREAKER					
	MAN. START w/ OL					XXX
	MAN. STARTER w/o OL					
RATINGS	HORSEPOWER					
	FUSE SIZE					
	BREAKER AF/AT					

ACCESSORY CODE: 1= AUX CONTACT CLOSED WHEN DISCONNECT IS CLOSED

ELECTRICAL HANDHOLE AND MANHOLE SCHEDULE 2/19/2018											
TAG NO	MINIMUM INTERIOR TAG NO DIMENSIONS (INCHES)			CONSTRUCTION	TYPICAL DETAIL	SURFACE LOADING	COMMENTS				
	WIDTH	LENGTH	DEPTH		DETAIL	LOADING					
EMH-1	72	72	84	PRECAST	EM062	ROADWAY					

- NOTES:

 1. SEE SPECIFICATION 02581 FOR PRECAST ELECTRICAL HANDHOLES AND MANHOLES.

 2. ALTERNATES: PROVIDE PER TYPICAL DETAIL EM062 IF INDICATED UNDER "COMMENTS".

G G				DESIGNED CAC	Cigality signed by Chronic Control of Control of the Control of th				C	C 1	T 7 11	SOUTH VALLE	Y WATER RECLAMAT	TON FACILITY	VERIFY SCALES	JOB NO. 10548A.10
B≺: j				DRAWN EYP No. 366286			Carollo		$\sqrt{1}$	South Valley			ONIONAL DIGAMINO	DRAWING NO.		
WED				CHECKED BJR	CHRISTOPHER A.				$\mathcal{I}_{\mathcal{I}}$	WATER RECLA	AMATION FACILITY		ELECTRICAL		01"	GE-SC-3
ST S/				DATE	- War and the state of the stat				25 16)	7495 South 1		LUMINAIRE, DISCO	DNNECT AND MAN	HOLE SCHEDULE	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO.
≤	REV DATE	BY	DESCRIPTION	MARCH 2019	COLO DE OF OR OTHER PROPERTY.					West Jordan, Ui	tab 84084				SCALES ACCORDINGLY	15 OF 159
L		1	2	3	4	5	6	7		8	9	10	11	12	13	
	PROJECT NO.	10548A10	FILE NAME: 10548A10_GESC3.dgn			•				•						•

