ADDENDUM

DATE: 06 November 2026

PROJECT: Long Valley **G300**
Project# 501-8721-26010101
TO: Bidders

COPIES: Jeff Scott, Project Manager
Matt Cobb, Facility Manager
Whitney Buswell
2610-06.2

SUBJECT: **Addendum #1**

ARCHITECT: P.C. Architects, Inc.
P.O. Box 217
St. George, UT 84771
435.673.6579
pcarch@pcarchinc.com

BID OPENING: **Tuesday, 10 November 2026**
2:00 p.m. MST
Conslog (Virtual)

This Addendum is issued for all companies and persons preparing bids for the above referenced project. This Addendum includes:

1) This Cover Sheet
2) 1 Page of Amendments
3) 1 Page of Unit Prices
4) 1 Page of Certificate of Liability Insurance
5) 4 Pages of Drawing Sheets

The amendments and items of this Addendum shall be subjected to the general quality and intent specified and shown in the Bid Documents for this project. These amendments shall be attached to and become a part of the Contract Documents. All changes, corrections, deletions and/or additions to the initial Bid Documents enumerated herein shall be included in the Bidder's Proposal. In case of conflict between the original Bid Documents and this Addendum the items in this Addendum shall govern.

Indication of receiving this Addendum **must** be made in the appropriate space on the Bid Form. Failure to indicate receiving this Addendum or indication of receiving the wrong number of Addenda will cause the Bid to be returned to the Bidder unread.

Long Valley G300
Project# 501-8721-26010101
AMENDMENTS OF ADDENDUM #1

Item #01 Reference: Bid Information, Bid Date, Bid Form, and Bid Modification Form

A. Bid Date shall be as listed on the first page of this Addendum.
B. Bidder shall guarantee there will be no revisions or withdrawal of bid amount for 90 days after bid opening.

Item #02 Reference: Unit Prices

A. The attached Unit Prices indicating Asphalt Oil Cost and Asphalt Mix Cost shall be turned in by the apparent low bidder along with their Subcontractor and Supplier list within one hour following the Bid Opening. This information may also be provided directly from the supplier to the Architect.
    1) Changes in the cost of asphalt and oil shall be dealt with by Change Order at the actual time asphalt is supplied to the project. This documentation shall be used as backup for those changes.

Item #03 Reference: General Conditions Section 3.6 Permits and Fees

A. Cost of permits and fees shall not be included in the Contractor's Bid.
B. Contractor shall pay building permit and other permits or municipal fees required for the construction of this project. Cost of these will be reimbursed to the Contractor at actual cost.

Item #04 Reference: General Conditions Section 11.1 Contractor's Liability Insurance

A. Contractor shall provide the insurance coverage amounts listed on the attached Certificate of Liability Insurance.

Item #05 Reference: Specification Section 09 2116 Gypsum Board Assemblies, Drawing Sheet A301 and A304, Building Sections

A. Chapel shall have two layers of gypsum board installed on the ceiling.
B. Panel joints will be staggered and 2nd layer screws will be 2" minimum length.

Item #06 Reference: Specification Section 11 5213 Projection Screens

A. Projection screens shall be provided by Owner and installed by Contractor.

Item #07 Reference: Specification Section 32 2323 Fill

A. Sand shall be used to bed the 6" below and above all piping and conduit.

Item #08 Reference: Drawing Sheet C301 Grading Plan

A. The contractor shall be responsible for determining all earth work volumes.
B. Volumes shown are for permit.

Item #09 Reference: Electrical Drawing Sheets E101, E111, E602 & E605

A. E101: Service Entrance (SES) location was adjusted on to match Site Plan.
B. E111: Door opener was added to the west entrance. SES location updated.
C. E602: Motorized door circuit changed from Panel MN to MS.
D. E605: Contactor is added for de-energizing Panels RS and RN when the building is not occupied.

END OF ADDENDUM #1

Long Valley G300
Project# 501-8721-26010101

UNIT PRICES

Unit prices are required for each of the following materials. Contractor shall receive these unit prices from Sub-bidders and submit this information following the Bid.

Unit	Description	Unit Price
1 ton Asphalt Oil	Unit Cost	_____
1 ton Asphalt Mix	Unit Cost	_____

Units indicated shall comply with the Specification Section relating to the item.

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
MM/DD/YYYY

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

Holder Identifier :

PRODUCER	CONTACT NAME:
< PRODUCER NAME > < PRODUCER ADDRESS > < CITY,STATE ZIP CODE >	PHONE (A/C. No. Ext): FAX (A/C. No.):
	E-MAIL ADDRESS:

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
< INSURED NAME > < INSURED ADDRESS > < CITY,STATE ZIP CODE >	INSURER A:	
	INSURER B: < INSURER NAME(S) >	
	INSURER C:	
	INSURER D: < ALL LISTED INSURER NAMES MUST HAVE AN A.M. BEST	
	INSURER E: INSURANCE RATING OF AT LEAST "A- / VIII" >	
	INSURER F:	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	COMMERCIAL GENERAL LIABILITY CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC OTHER:	X		< GL POLICY NUMBER >	mm/dd/yyyy	mm/dd/yyyy	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $50,000 $5,000 $1,000,000 $2,000,000 $2,000,000
B	AUTOMOBILE LIABILITY [X] ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY	X		< AL POLICY NUMBER >	mm/dd/yyyy	mm/dd/yyyy	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000
C	[X] UMBRELLA LIAB [X] OCCUR [X] EXCESS LIAB CLAIMS-MADE DED RETENTION	X		< EX/UMB POLICY NUMBER >	mm/dd/yyyy	mm/dd/yyyy	EACH OCCURRENCE AGGREGATE	$5,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		< WC-EL POLICY NUMBER >	mm/dd/yyyy	mm/dd/yyyy	[X] PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE-POLICY LIMIT	$1,000,000 $1,000,000 $1,000,000
E	Property Insurance – Special Causes of Loss Coverage Property - Builder's Risk			< POLICY NUMBER(S) >	mm/dd/yyyy	mm/dd/yyyy	Replacement Cost of Business Personal Property Replacement Cost Value of Project	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE:

Jones Lang LaSalle Americas, Inc., The Church of Jesus Christ of Latter-day Saints and their respective affiliates, officers, directors and employees are additional insureds on the General Liability, Excess/Umbrella Liability and Commercial Automobile Liability policies covering liability for claims arising from or out of any Work of Contractor, its agents or Subcontractors on the Project, as required by written agreement or contract. Waiver of subrogation is provided on the Worker's Compensation, Employer's Liability, and Property/Builder's Risk insurance policies for Jones Lang LaSalle Americas, Inc., The Church of Jesus Christ of Latter-day Saints and their respective affiliates, officers, directors and employees. General Liability insurance provides primary and non-contributory coverage. 30-day notice of policy cancellation is provided to the Certificate Holder.

CERTIFICATE HOLDER

Jones Lang LaSalle Americas, Inc.
The Church of Jesus Christ of Latter-day Saints
50 East North Temple, 1WW
Salt Lake City, UT 84150

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

< SIGNATURE OF AUTHORIZED REPRESENTATIVE MUST BE HERE >

NOTES

1. SEE EXTERIOR LIGHTING CONTROL DIAGRAM SHEET E603.
2. PROVIDE SUFFICIENT BOX DEPTH AND CORRECT PLASTER RING TO ACCOMMODATE ACTUAL RELAY UNIT AND OCCUPANCY SENSOR INSTALLED. ALSO PROVIDE PROPER SEPARATION OF 120V AND CLASS 2 WIRING AS NECESSARY IN ACCORDANCE WITH NEC SET SENSITIVITY AND TIME DELAY OF SENSOR AT MAXIMUM.
3. FIXTURE SHALL OPERATE CONTINUOUSLY (NOT SWITCHED).
4. MOUNT WALL SCONCE AT 7'-6" AFF TO TOP OF FIXTURE.
5. FOR RECESSED LIGHTING IN HALLWAYS AND RESTROOMS, DO NOT CUT JOISTS. ROTATE FIXTURES IF REQUIRED.
6. PROVIDE WIRE GUARD.
7. FIXTURE INDICATED IS IN THE DAYLIGHT ZONE. SEE SEQUENCE OF OPERATION FOR REQUIREMENTS OR DAYLIGHT RESPONSE EXEMPTION.
8. PROVIDE A 90 MINUTE REMOTE EMERGENCY LIGHTING UNIT FOR THIS FIXTURE. SEE EQUIPMENT PLATFORM LAYOUT FOR REMOTE EMERGENCY LIGHTING UNIT LOCATION.
9. PROVIDE MOMENTARY SWITCH TO CONTROL LIGHTING TIED TO OCCUPANCY SENSOR. WIRE TO OCCUPANCY SENSOR OR POWER PACK (DEPENDING ON MANUFACTURER).
10. SEE DETAIL 3/E501 FOR SWITCH LABELING.
11. SEE DETAIL 2/E501 FOR SWITCH LABELING.
12. PROVIDE ROOM CONTROLLERS WITH ZONES AS REQUIRED; FIELD LOCATE AS DIRECTED BY OWNER, LIKELY ON EQUIPMENT PLATFORM. TIE HIGH-BAY OCCUPANCY SENSORS INTO ROOM CONTROLLER. MULTI-BUTTON SWITCHES SHALL CONTROL ZONES SHOWN ON E501.
21. SEE ME SHEETS FOR ELECTRICAL WORK FOR CONTROLS.
22. EXACT LOCATION OF LIGHT FIXTURES SHALL BE AS SHOWN ON REFLECTED CEILING PLAN SHEET A151.
23. DO NOT INSTALL CEILING MOUNTED OCCUPANCY SENSORS WITHIN 6 FEET OF ANY MECHANICAL DIFFUSER.
24. LOWER CASE LETTERS ON OR NEAR FIXTURES INDICATE CONTROLLING SWITCHES. SWITCH LEGS NOT ALWAYS SHOWN.
25. SEE SHEET E601 FOR ELECTRICAL SYMBOLS LEGEND.

1 MAIN FLOOR LIGHTING PLAN
1/8" = 1'-0"

P.C. ARCHITECTS INC.
Dennis B. Patten, AIA
P.O. Box 217
St. George, UT 84771
(435) 673-6579

Release Date:
31 OCTOBER 2026

Stamp:
REGISTERED PROFESSIONAL ENGINEER
9657309-2202
KYLE J. BREINHOLT
November 5th, 2025
STATE OF UTAH

Project Name:
LONG VALLEY GRANGER 300 MEETINGHOUSE
WASHINGTON, UT 84780

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

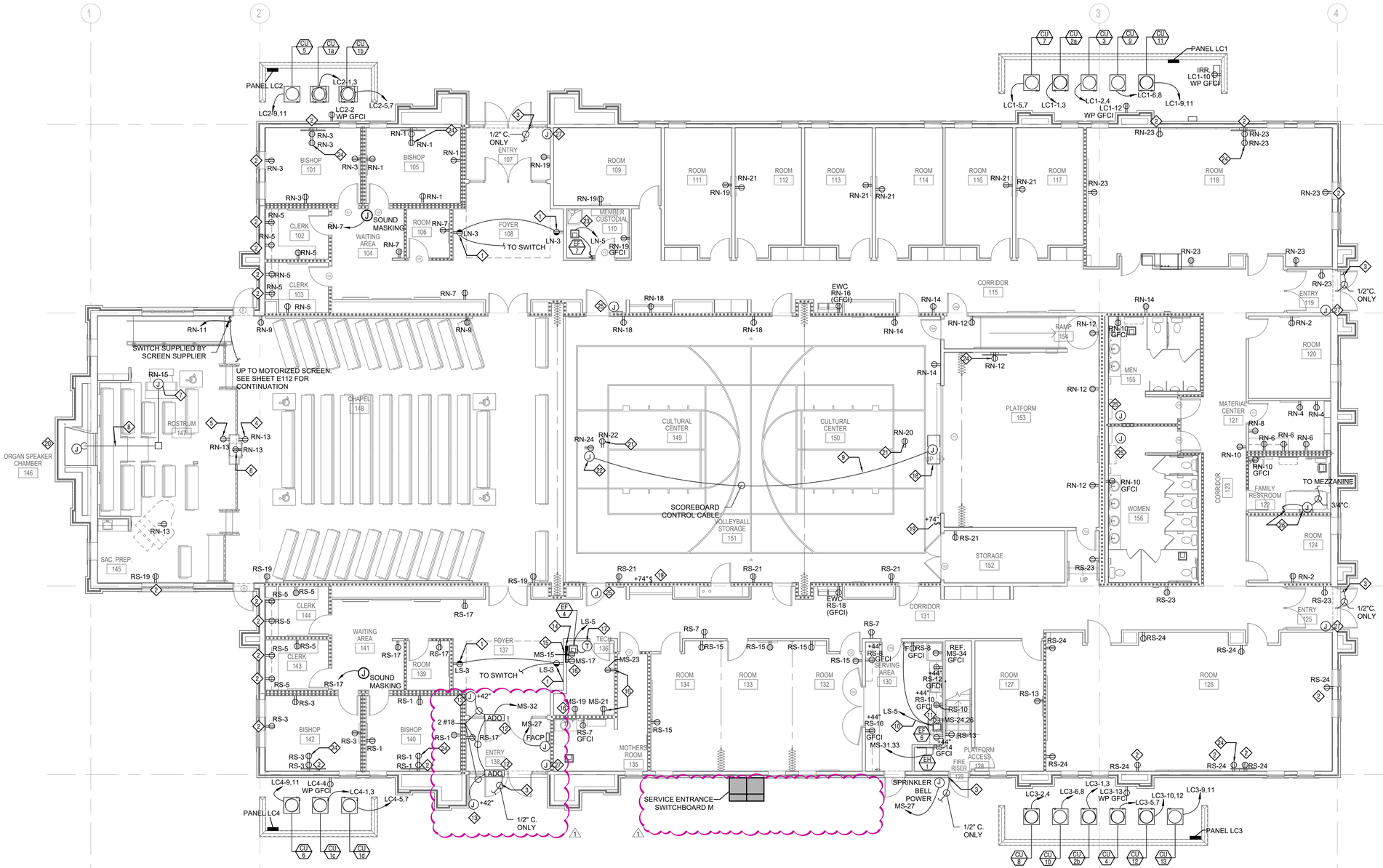
BRENHOLT

Mark	Date (D-MMM-Y)	Description
1	03-NOV-26	ADDENDUM 1

Project Number: PCA-
Plan Series: G-300-MH-11
Property Number: 501-0000-0000

Sheet Title: MAIN LEVEL LIGHTING PLAN

Sheet: E101



1 MAIN FLOOR POWER PLAN
1/8" = 1'-0"

NOTES

1. SPLIT WIRE SO UPPER HALF OF RECEPTACLE IS CONTROLLED BY LIGHT SWITCH AND LOWER HALF IN UNSWITCHED ON SAME CIRCUIT.
2. PROVIDE OUTLETS IN EXTERIOR WALLS WITH AIR TIGHT J-BOXES. SEAL AROUND ALL PENETRATIONS TO KEEP THE BOX AIR TIGHT.
3. STUB CONDUIT INTO DOOR HEAD FRAME FOR INSTALLATION OF ACCESS CONTROL SYSTEM WIRING. RUN CONDUIT TO ACCESSIBLE LOCATION IN UPPER MECHANICAL SPACE AND TERMINATE IN BOX LABELED 'ACCESS CONTROL'.
4. LOCATE BOX SO DUPLEX RECEPTACLE CAN BE MOUNTED HORIZONTALLY IN HARDWOOD BASE.
5. REFER TO ARCHITECTURAL DETAILS FOR MOUNTING OF DUPLEX RECEPTACLE AND DATA OUTLET ON SIDE OF PULPIT.
6. SEE ARCHITECTURAL DETAILS FOR MOUNTING LOCATION OF RECEPTACLE IN PULPIT.
7. COORDINATE WITH ARCHITECTS DRAWING MOUNT RECEPTACLE ON THE VERTICAL WALL OF THE RECESSED ORGAN BOX.
8. (2) 1" CONDUITS FROM JUNCTION BOX TO UPPER SHELF IN ORGAN SPEAKER CHAMBER.
9. CABLE SHALL BE COPPER, INSULATED, TWISTED PAIR, STRANDED, 22 GAUGE, SHIELDED, ONE RED CONDUCTOR, ONE BLACK CONDUCTOR, WITH OUTSIDE JACKET.
10. CONTROL EXHAUST FAN WITH MANUAL TIMER SWITCH.
11. LOCATE OUTLET SO RANGE WILL SIT TIGHT AGAINST WALL.
12. AUTOMATIC DOOR OPERATOR (ADO) FURNISHED BY OTHERS. COORDINATE CONDUIT AND CONDUCTOR LENGTHS AND ROUTING FOR COMPLETE, CONCEALED INSTALLATION.
13. PROVIDE A 4" SQUARE 2-18" DEEP BOX FOR AUTOMATIC DOOR ACTIVATING SWITCH FURNISHED BY OTHERS. LEAVE EXTRA CONDUCTOR LENGTH FOR CONNECTION.
14. SEPARATE DEDICATED #6 GROUND. COORDINATE WITH TELECOMMUNICATIONS GROUND BUS BAR.
15. INSTALL DUPLEX RECEPTACLE AT TELEPHONE BOARD AT 48" AFF. REFER TO A/V DRAWINGS.
16. COORDINATE LOCATION OF DEVICES WITH DIVISION 27 PRIOR TO ROUGH-IN.
17. LINE VOLTAGE THERMOSTAT PROVIDED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
18. DEVICES MOUNTED IN STAIR RISER. CENTER JUNCTION BOX & OUTLET BETWEEN DOORS.
19. CONTROL SWITCH PROVIDED BY BASKETBALL STANDARD MANUFACTURER.
20. PROVIDE STEEPLE LIGHTNING PROTECTION. SEE SPECIFICATIONS AND SHEET E501 DETAIL.
21. LOCATE OUTLET WITHIN FOUR FEET OF MOTOR FOR BASKETBALL STANDARD. MAKE RECEPTACLE CONNECTIONS FOR BASKETBALL STANDARD PER MANUFACTURER REQUIREMENTS.
22. LOCATE SCORE BOARD CONTROL CABLE BOX NEXT TO DUPLEX RECEPTACLE.
23. CONTROL EXHAUST FAN WITH PROGRAMMABLE TIMER SWITCH.
24. OUTLET MOUNTED IN AV JUNCTION BOX FOR TV MONITOR. COORDINATE LOCATION WITH AV INSTALLER.
25. PROVIDE 4" SQUARE BOX WITH SINGLE GANG MUD RING WITH ½" ENT CONDUIT, WITH PULL ROPE, TO THE EQUIPMENT PLATFORM (OVER WALKWAY) FOR USE WITH RECIRCULATION PUMP OCCUPANCY SENSOR.
26. PROVIDE CONNECTIONS FOR FUTURE ADJUSTABLE HEIGHT CHANGING STATION. PROVIDE COVER PLATES FOR SWITCH AND JUNCTION BOX.
27. WALL MOUNTED NONMETALLIC JUNCTION BOX FOR USE WITH ACCESS CONTROL. COORDINATE LOCATION WITH ACCESS CONTROL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE 3/4" CONDUIT WITH PULL ROPE FROM JUNCTION BOX TO EQUIPMENT PLATFORM. LABEL AS 'ACCESS CONTROL'.
30. SEE ME AND ET SHEETS FOR REQUIRED RACEWAY AND BOXES FOR TEMPERATURE CONTROL, TELEPHONE, DATA, SOUND, VIDEO, SATELLITE AND TV SYSTEMS.

Release Date:
31 OCTOBER 2026

P.C. ARCHITECTS INC.
Dennis B. Patten, AIA
P.O. Box 217
St. George, UT 84771
(435) 673-6579

Stamp:
REGISTERED PROFESSIONAL ENGINEER
9657309-2202
KYLE L BREINHOLT
November Seven
STATE OF UTAH

Project Name:
LONG VALLEY GRANGER 300 MEETINGHOUSE
WASHINGTON, UT 84780

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

BREINHOLT

Mark	Date (M-D-Y)	Description
1	03-NOV-26	ADDENDUM 1
-	- -	-
-	- -	-

Project Number:
PCA-
Plan Series:
G-300-MH-11
Property Number:
501-0000-0000

Sheet Title:
MAIN LEVEL POWER PLAN

Sheet:
E111

PANEL SCHEDULE "MS"

VOLTAGE: 208 Y/ 120 VOLTS | **BUS RATING (AMPS):** 225 | **FED FROM:** M | **REMARKS:**
MOUNTING: SURFACE | **PHASE:** 3 | **MAIN LUGS ONLY**
ENCLOSURE: NEMA 1 | **WIRE:** 4 | **MINIMUM EQUIPMENT RATING:** 22,000 AMPS (RMS-SYM) | AFC 15,960

CIRCUIT BREAKER No.	AMPS	POLE	MOD.	CIRCUIT NAME	FEEDER C	WIRE	GRD	CKT. LOAD DEMAND FACTOR	WATTS	LOAD/PHASE (VA) ØA	ØB	ØC	CKT. LOAD WATTS	DEMAND FACTOR	FEEDER GRD	WIRE	C	CIRCUIT NAME	CIRCUIT BREAKER MOD.	POLE	AMPS	No.
1	30	1	-	ERV-1c	¾"	#10	#10	1.00	2,328	3,192			864	1.00	#12	#12	¾"	F-8	-	1	20	2
3	20	1	-	F-1d	¾"	#12	#12	1.00	1,176		2,832		1,656	1.00	#12	#12	¾"	F-10	-	1	25	4
5	20	1	-	F-1c	¾"	#10	#10	1.00	1,176			3,504	2,328	1.00	#10	#10	¾"	ERV-10	-	1	30	6
7	25	1	-	F-2b	¾"	#12	#12	1.00	1,656	2,520			864	1.00	#12	#12	¾"	F-4	-	1	20	8
9	30	1	-	ERV-2b	¾"	#10	#10	1.00	2,328		3,984		1,656	1.00	#12	#12	¾"	F-12	-	1	25	10
11	20	1	-	F-6	¾"	#12	#12	1.00	864			3,192	2,328	1.00	#10	#10	¾"	ERV-12	-	1	30	12
13	20	1	-	CO EQ PLAT	¾"	#10	#10	1.00	360	1,224			864	1.00	#12	#12	¾"	F-13	-	1	20	14
15	20	1	-	CO TECH	¾"	#12	#12	1.00	180		360		180	1.00	#12	#12	¾"	CO MEZZANINE	-	1	20	16
17	20	1	-	CO TECH	¾"	#12	#12	1.00	180			540	360	1.00	#12	#12	¾"	CO MEZZANINE	-	1	20	18
19	20	1	-	CO TECH	¾"	#12	#12	1.00	180	360			180	1.00	#12	#12	¾"	WH-1	-	1	20	20
21	20	1	-	CO TECH	¾"	#12	#12	1.00	180		396		216	1.00	#12	#12	¾"	CP-1	-	1	20	22
23	20	1	-	CO TECH	¾"	#12	#12	1.00	180			4,180	4,000	1.00	#10	#8	¾"	RANGE	-	2	50	24
25	20	1	-	SPARE				1.00		4,000			4,000	1.00	-	#8	-	-	-	-	-	26
27	20	1	RED	FACP	¾"	#12	#12	1.00	500		500			1.00				SHUT-TRIP PROVISION	-			28
29			-	SPACE				1.00				500	500	1.00	#12	#12	¾"	AUTO TEMP CONTROL	-	1	20	30
31	20	2	-	EH-1	¾"	#12	#12	1.00	1,100	2,276			1,176	1.00	#12	#12	¾"	MOTORIZED DOOR	-	1	20	32
33	-	-	-	-	-	#12	-	1.00	1,100		2,600		1,500	1.00	#12	#12	¾"	REFRIGERATOR	-	1	20	34
35			-	SPACE				1.00				0		1.00				SPACE	-			36
37			-	SPACE				1.00		0				1.00				SPACE	-			38
39			-	SPACE				1.00			0			1.00				SPACE	-			40
41			-	SPACE				1.00				0		1.00				SPACE	-			42

NOTES :

A. ALL INSULATION ON CONDUCTORS TO BE THHN UNLESS NOTED OTHERWISE. INSULATION ON ALL UNDERGROUND EXTERIOR CONDUCTORS SHALL BE THHW.
B. LOAD DEMANDS CALCULATED AS PER SECTIONS 210 & 220 OF THE NATIONAL ELECTRICAL CODE.
C. PANEL COVER SHALL BE FIELD MARKED FOR FLASH PROTECTION WITH A PERMANENT LABEL AS REQUIRED BY THE NATIONAL ELECTRICAL CODE SECTION 110. LABEL SHALL READ: "DANGER: POTENTIAL ARC FLASH HAZARD"
D. ABBREVIATIONS: CO-CONVENIENCE OUTLET, RR-RESTROOM, (N)ORTH, (S)OUTH, (E)AST, (W)EST.

ØA	ØB	ØC	TOTALS	
13,572	10,672	11,916	36,160	CONNECTED LOAD (VA)
			100	CONNECTED LOAD (A)
0	0	0	0	DEMAND FACTOR ADJUSTMENTS (VA)
13,572	10,672	11,916	36,160	TOTAL LOAD (VA)
113	89	99		TOTAL LOAD (A)
			113	MAXIMUM LOAD (A)
38%	30%	33%		PHASE BALANCE

PANEL SCHEDULE "RN"

VOLTAGE: 208 Y/ 120 VOLTS | **BUS RATING (AMPS):** 100 | **FED FROM:** M | **REMARKS:**
MOUNTING: SURFACE | **PHASE:** 3 | **MAIN LUGS ONLY** | VIA CONTACTOR
ENCLOSURE: NEMA 1 | **WIRE:** 4 | **MINIMUM EQUIPMENT RATING:** 10,000 AMPS (RMS-SYM) | AFC 5,340

CIRCUIT BREAKER No.	AMPS	POLE	MOD.	CIRCUIT NAME	FEEDER C	WIRE	GRD	CKT. LOAD DEMAND FACTOR	WATTS	LOAD/PHASE (VA) ØA	ØB	ØC	CKT. LOAD WATTS	DEMAND FACTOR	FEEDER GRD	WIRE	C	CIRCUIT NAME	CIRCUIT BREAKER MOD.	POLE	AMPS	No.
1	20	1	-	CO BISHOP 105	¾"	#10	#10	1.00	900	1,260			360	1.00	#10	#10	¾"	CO ROOM 120 124	-	1	20	2
3	20	1	-	CO BISHOP 101	¾"	#10	#10	1.00	900		1,260		360	1.00	#12	#12	¾"	CO MAT'L CNTR	-	1	20	4
5	20	1	-	CO CLERK 102,103	¾"	#10	#10	1.00	1,080			1,620	540	1.00	#12	#12	¾"	CO MAT'L CNTR	-	1	20	6
7	20	1	-	CO WAITING 104, ROOM 106	¾"	#10	#10	1.00	540	720			180	1.00	#12	#12	¾"	CO MAT'L CNTR	-	1	20	8
9	20	1	-	CO CHAPEL	¾"	#10	#10	1.00	360		1,080		720	1.00	#12	#12	¾"	CO FAMILY RR, MEN, WOMEN	-	1	20	10
11	20	1	-	SCREEN MOTOR	¾"	#10	#10	1.00	1,176			2,076	900	1.00	#12	#12	¾"	CO PLATFORM, RAMP	-	1	20	12
13	20	1	-	CO ROSTRUM	¾"	#10	#10	1.00	720	1,440			720	1.00	#12	#12	¾"	CO CORR., CULTRUAL CNTR	-	1	20	14
15	20	1	-	ORGAN BOX	¾"	#10	#10	1.00	500		1,000		500	1.00	#12	#12	¾"	EWC	GFCI	1	20	16
17	20	1	-	SPARE				1.00				540	540	1.00	#12	#12	¾"	CO CORR., CULTRUAL CNTR	-	1	20	18
19	20	1	-	CO ENTRY,CUST., RMS	¾"	#12	#12	1.00	720	1,896			1,176	1.00	#12	#12	¾"	B BALL MOTOR	-	1	20	20
21	20	1	-	CO ROOMS 112,113,114,116,117	¾"	#12	#12	1.00	900		2,076		1,176	1.00	#12	#12	¾"	B BALL MOTOR	-	1	20	22
23	20	1	-	CO RM 118	¾"	#12	#12	1.00	1,440			1,620	180	1.00	#12	#12	¾"	SCORE BOARD	-	1	20	24
25			-	SPACE				1.00		0				1.00				SPACE	-			26
27			-	SPACE				1.00			0			1.00				SPACE	-			28
29			-	SPACE				1.00				0		1.00				SPACE	-			30

NOTES :

A. ALL INSULATION ON CONDUCTORS TO BE THHN UNLESS NOTED OTHERWISE. INSULATION ON ALL UNDERGROUND EXTERIOR CONDUCTORS SHALL BE THHW.
B. LOAD DEMANDS CALCULATED AS PER SECTIONS 210 & 220 OF THE NATIONAL ELECTRICAL CODE.
C. PANEL COVER SHALL BE FIELD MARKED FOR FLASH PROTECTION WITH A PERMANENT LABEL AS REQUIRED BY THE NATIONAL ELECTRICAL CODE SECTION 110. LABEL SHALL READ: "DANGER: POTENTIAL ARC FLASH HAZARD"
D. ABBREVIATIONS: CO-CONVENIENCE OUTLET, RR-RESTROOM, (N)ORTH, (S)OUTH, (E)AST, (W)EST.

ØA	ØB	ØC	TOTALS	
5,316	5,416	5,856	16,588	CONNECTED LOAD (VA)
			46	CONNECTED LOAD (A)
0	0	0	0	DEMAND FACTOR ADJUSTMENTS (VA)
5,316	5,416	5,856	16,588	TOTAL LOAD (VA)
44	45	49		TOTAL LOAD (A)
			49	MAXIMUM LOAD (A)
32%	33%	35%		PHASE BALANCE

PANEL SCHEDULE "RS"

VOLTAGE: 208 Y/ 120 VOLTS | **BUS RATING (AMPS):** 100 | **FED FROM:** M | **REMARKS:**
MOUNTING: SURFACE | **PHASE:** 3 | **MAIN LUGS ONLY** | VIA CONTACTOR
ENCLOSURE: NEMA 1 | **WIRE:** 4 | **MINIMUM EQUIPMENT RATING:** 10,000 AMPS (RMS-SYM) | AFC 8,617

CIRCUIT BREAKER No.	AMPS	POLE	MOD.	CIRCUIT NAME	FEEDER C	WIRE	GRD	CKT. LOAD DEMAND FACTOR	WATTS	LOAD/PHASE (VA) ØA	ØB	ØC	CKT. LOAD WATTS	DEMAND FACTOR	FEEDER GRD	WIRE	C	CIRCUIT NAME	CIRCUIT BREAKER MOD.	POLE	AMPS	No.
1	20	1	-	CO BISHOP 140	¾"	#10	#10	1.00	900	900				1.00				SPARE	-	1	20	2
3	20	1	-	CO BISHOP 142	¾"	#10	#10	1.00	900		900			1.00				SPARE	-	1	20	4
5	20	1	-	CO CLERK 143,144	¾"	#10	#10	1.00	1,080			1,080		1.00				SPARE	-	1	20	6
7	20	1	-	CO MOTHERS, CORRIDOR	¾"	#12	#12	1.00	540	900			360	1.00	#12	#12	¾"	CO SERVING AREA	-	1	20	8
9	20	1	-	SPARE				1.00			360		360	1.00	#12	#12	¾"	CO SERVING AREA	-	1	20	10
11	20	1	-	SPARE				1.00				180	180	1.00	#12	#12	¾"	CO SERVING AREA	-	1	20	12
13	20	1	-	CO ROOM 127, FIRE RISER	¾"	#12	#12	1.00	360	540			180	1.00	#12	#12	¾"	CO SERVING AREA	-	1	20	14
15	20	1	-	CO ROOMS 132,133,134	¾"	#12	#12	1.00	900		1,080		180	1.00	#12	#12	¾"	CO SERVING AREA	-	1	20	16
17	20	1	-	CO ENTRY,ROOM139,WAIT141	¾"	#10	#10	1.00	900			1,400	500	1.00	#12	#12	¾"	EWC	GFCI	1	20	18
19	20	1	-	CO CHAPEL	¾"	#10	#10	1.00	540	540				1.00				SPARE	-	1	20	20
21	20	1	-	CO CULTURAL CNTR	¾"	#12	#12	1.00	720		720			1.00				SPARE	-	1	20	22
23	20	1	-	CO CORR.,ENTRY	¾"	#12	#12	1.00	540			1,980	1,440	1.00	#10	#10	¾"	CO ROOM 126	-	1	20	24
25	20	1	-	SPARE				1.00		0				1.00				SPACE	-			26
27	20	1	-	SPARE				1.00			0			1.00				SPACE	-			28
29	20	1	-	SPARE				1.00				0		1.00				SPACE	-			30

NOTES :

A. ALL INSULATION ON CONDUCTORS TO BE THHN UNLESS NOTED OTHERWISE. INSULATION ON ALL UNDERGROUND EXTERIOR CONDUCTORS SHALL BE THHW.
B. LOAD DEMANDS CALCULATED AS PER SECTIONS 210 & 220 OF THE NATIONAL ELECTRICAL CODE.
C. PANEL COVER SHALL BE FIELD MARKED FOR FLASH PROTECTION WITH A PERMANENT LABEL AS REQUIRED BY THE NATIONAL ELECTRICAL CODE SECTION 110. LABEL SHALL READ: "DANGER: POTENTIAL ARC FLASH HAZARD"
D. ABBREVIATIONS: CO-CONVENIENCE OUTLET, RR-RESTROOM, (N)ORTH, (S)OUTH, (E)AST, (W)EST.

ØA	ØB	ØC	TOTALS	
2,880	3,060	4,640	10,580	CONNECTED LOAD (VA)
			29	CONNECTED LOAD (A)
0	0	0	0	DEMAND FACTOR ADJUSTMENTS (VA)
2,880	3,060	4,640	10,580	TOTAL LOAD (VA)
24	25	39		TOTAL LOAD (A)
			39	MAXIMUM LOAD (A)
27%	29%	44%		PHASE BALANCE

PANEL SCHEDULE "LN"

VOLTAGE: 208 Y/ 120 VOLTS | **BUS RATING (AMPS):** 100 | **FED FROM:** M | **REMARKS:**
MOUNTING: SURFACE | **PHASE:** 3 | **MAIN LUGS ONLY**
ENCLOSURE: NEMA 1 | **WIRE:** 4 | **MINIMUM EQUIPMENT RATING:** 10,000 AMPS (RMS-SYM) | AFC 5,340

CIRCUIT BREAKER No.	AMPS	POLE	MOD.	CIRCUIT NAME	FEEDER C	WIRE	GRD	CKT. LOAD DEMAND FACTOR	WATTS	LOAD/PHASE (VA) ØA	ØB	ØC	CKT. LOAD WATTS	DEMAND FACTOR	FEEDER GRD	WIRE	C	CIRCUIT NAME	CIRCUIT BREAKER MOD.	POLE	AMPS	No.
1	20	1	-	LIGHT BISHOP	¾"	#10	#10	1.25	360	1,155			795	1.25	#12	#12	½"	LIGHT RELIEF SOC,FAM RR,EF5	-	1	20	2
3	20	1	-	LIGHT & CO FOYER	¾"	#12	#12	1.25	636		1,683		1,047	1.25	#12	#12	½"	LIGHT RR,EF-1,2	-	1	20	4
5	20	1	-	LIGHT RM,SERV,EF-7	¾"	#12	#12	1.25	736			1,386	650	1.25	#12	#12	½"	LIGHT PLAT,MAT,STR	-	1	20	6
7	20	1	-	LIGHT HALL	¾"	#10	#10	1.25	841	841				1.00				SPARE	-	1	20	8
9	20	1	-	LIGHT EXTERIOR	1"	#8	#8	1.25	585		585			1.00				SPARE	-	1	20	10
11	20	1	-	SPARE				1.00				0		1.00				SPACE	-			12
13	20	1	-	SPARE				1.00		0				1.00				SPACE	-			14
15	20	1	-	SPARE				1.00			0			1.00				SPACE	-			16
17			-	SPACE				1.00				0		1.00				SPACE	-			18

NOTES :

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B. LOAD DEMANDS CALCULATED AS PER SECTIONS 210 & 220 OF THE NATIONAL ELECTRICAL CODE.
C. PANEL COVER SHALL BE FIELD MARKED FOR FLASH PROTECTION WITH A PERMANENT LABEL AS REQUIRED BY THE NATIONAL ELECTRICAL CODE SECTION 110. LABEL SHALL READ: "DANGER: POTENTIAL ARC FLASH HAZARD"
D. ABBREVIATIONS: CO-CONVENIENCE OUTLET, RR-RESTROOM, (N)ORTH, (S)OUTH, (E)AST, (W)EST.

ØA	ØB	ØC	TOTALS	
1,996	2,268	1,386	5,650	CONNECTED LOAD (VA)
			16	CONNECTED LOAD (A)
499	567	347	1,413	DEMAND FACTOR ADJUSTMENTS (VA)
2,495	2,835	1,733	7,063	TOTAL LOAD (VA)
21	24	14		TOTAL LOAD (A)
			24	MAXIMUM LOAD (A)
35%	40%	25%		PHASE BALANCE

PANEL SCHEDULE "LS"

VOLTAGE: 208 Y/ 120 VOLTS | **BUS RATING (AMPS):** 100 | **FED FROM:** M | **REMARKS:**
MOUNTING: SURFACE | **PHASE:** 3 | **MAIN LUGS ONLY**
ENCLOSURE: NEMA 1 | **WIRE:** 4 | **MINIMUM EQUIPMENT RATING:** 10,000 AMPS (RMS-SYM) | AFC 8,617

CIRCUIT BREAKER No.	AMPS	POLE	MOD.	CIRCUIT NAME	FEEDER C	WIRE	GRD	CKT. LOAD DEMAND FACTOR	WATTS	LOAD/PHASE (VA) ØA	ØB	ØC	CKT. LOAD WATTS	DEMAND FACTOR	FEEDER GRD	WIRE	C	CIRCUIT NAME	CIRCUIT BREAKER MOD.	POLE	AMPS	No.
1	20	1	-	LIGHT BISHOP,CLERK	¾"	#10	#10	1.25	360	1,365			1,005	1.25	#12	#12	½"	LIGHT CULT HALL	-	1	20	2
3	20	1	-	LIGHT & CO FOYER	¾"	#12	#12	1.25	636		1,924		1,288	1.25	#10	#10	½"	LIGHT ROST, CHAPEL	-	1	20	4
5	20	1	-	LIGHT STAKE, EF-6,EF-4,EF-3	¾"	#12	#12	1.25	1,144			2,254	1,110	1.25	#10	#10	½"	LIGHT ROST, COVE	-	1	20	6
7	20	1	-	LIGHT HALL, VEST	¾"	#12	#12	1.25	561	1,561			1,000	1.25	#10	#10	½"	LIGHT EQ PLAT	-	1	20	8
9	20	1	-	LIGHT EXTERIOR	¾"	#10	#10	1.25	162		222		60	1.25	#10	#10	½"	LIGHT ATTIC	-	1	20	10
11	20	1	-	LIGHT PRIM,RM,EF-3	¾"	#12	#12	1.25	370			370		1.00				SPACE	-			12
13	20	1	-	SPARE				1.00		0				1.00				SPACE	-			14
15	20	1	-	SPARE				1.00			0			1.00				SPACE	-			16
17			-	SPACE				1.00				0		1.00				SPACE	-			18

NOTES :

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D. ABBREVIATIONS: CO-CONVENIENCE OUTLET, RR-RESTROOM, (N)ORTH, (S)OUTH, (E)AST, (W)EST.

ØA	ØB	ØC	TOTALS	
2,926	2,146	2,624	7,696	CONNECTED LOAD (VA)
			21	CONNECTED LOAD (A)
732	537	656	1,924	DEMAND FACTOR ADJUSTMENTS (VA)
3,658	2,683	3,280	9,620	TOTAL LOAD (VA)
30	22	27		TOTAL LOAD (A)
			30	MAXIMUM LOAD (A)
38%	28%	34%		PHASE BALANCE

PANEL SCHEDULE "MN"

VOLTAGE: 208 Y/ 120 VOLTS | **BUS RATING (AMPS):** 100 | **FED FROM:** M | **REMARKS:**
MOUNTING: SURFACE | **PHASE:** 3 | **MAIN LUGS ONLY**
ENCLOSURE: NEMA 1 | **WIRE:** 4 | **MINIMUM EQUIPMENT RATING:** 10,000 AMPS (RMS-SYM) | AFC 5,098

CIRCUIT BREAKER No.	AMPS	POLE	MOD.	CIRCUIT NAME	FEEDER C	WIRE	GRD	CKT. LOAD DEMAND FACTOR	WATTS	LOAD/PHASE (VA) ØA	ØB	ØC	CKT. LOAD WATTS	DEMAND FACTOR	FEEDER GRD	WIRE	C	CIRCUIT NAME	CIRCUIT BREAKER MOD.	POLE	AMPS	No.
1	20	1	-	F-1a	¾"	#10	#10	1.00	1,176	2,832			1,656	1.00	#12	#12	¾"	F-3	-	1	25	2
3	20	1	-	F-1b	¾"	#12	#12	1.00	1,176		3,504		2,328	1.00	#10	#10	½"	ERV-3	-	1	30	4
5	30	1	-	ERV-1a	¾"	#10	#10	1.00	2,328			3,504	1,176	1.00	#12	#12	½"	F-7	-	1	20	6
7	20	1	-	F-5	¾"	#12	#12	1.00	864	864				1.00				SPARE /1\	-	1	20	8
9	30	1	-	ERV-2a	¾"	#10	#10	1.00	2,328		3,504		1,176	1.00	#12	#12	½"	F-9	-	1	20	10
11	25	1	-	F-2a	¾"	#12	#12	1.00	1,656			3,312	1,656	1.00	#12	#12	½"	F-11	-	1	25	12
13	20	1	-	CO MEZZANINE	¾"	#10	#10	1.00	540	2,868			2,328	1.00	#10	#10	½"	ERV-11	-	1	30	14
15	20	1	-	AUTO TEMP CONTROL	¾"	#12	#12	1.00	500		500			1.00				SPACE	-			16
17			-	SPACE				1.00				0		1.00				SPACE	-			18
19			-	SPACE				1.00		0				1.00				SPACE	-			20
21			-	SPACE				1.00			0			1.00				SPACE	-			22
23			-	SPACE				1.00				0		1.00				SPACE	-			24
25			-	SPACE				1.00		0				1.00				SPACE	-			26
27			-	SPACE				1.00			0			1.00				SPACE	-			28
29			-	SPACE				1.00				0		1.00				SPACE	-			30

NOTES :

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B. LOAD DEMANDS CALCULATED AS PER SECTIONS 210 & 220 OF THE NATIONAL ELECTRICAL CODE.
C. PANEL COVER SHALL BE FIELD MARKED FOR FLASH PROTECTION WITH A PERMANENT LABEL AS REQUIRED BY THE NATIONAL ELECTRICAL CODE SECTION 110. LABEL SHALL READ: "DANGER: POTENTIAL ARC FLASH HAZARD"
D. ABBREVIATIONS: CO-CONVENIENCE OUTLET, RR-RESTROOM, (N)ORTH, (S)OUTH, (E)AST, (W)EST.

ØA	ØB	ØC	TOTALS	
6,564	7,508	6,816	20,888	CONNECTED LOAD (VA)
			58	CONNECTED LOAD (A)
0	0	0	0	DEMAND FACTOR ADJUSTMENTS (VA)
6,564	7,508	6,816	20,888	TOTAL LOAD (VA)
55	63	57		TOTAL LOAD (A)
			63	MAXIMUM LOAD (A)
31%	36%	33%		PHASE BALANCE

Release Date:
31 OCTOBER 2026

P.C. ARCHITECTS INC.
Dennis B. Patten, AIA
P.O. Box 217
St. George, UT 84771
(435) 673-6579

Stamp:
REGISTERED PROFESSIONAL ENGINEER
9657309-2202
KYLE BREINHOLT
November 5th, 2025
STATE OF UTAH

Project Name:
LONG VALLEY
GRANGER 300
MEETINGHOUSE
WASHINGTON, UT 84780

Project for:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

BREINHOLT

Mark	Date (DAY)	Description
-	-	-
-	-	-
1	03-NOV-26	ADDENDUM 1

Project Number:
PCA-
Plan Series:
G-300-MH-11
Property Number:
501-0000-0000

Sheet Title:
PANEL
SCHEDULES

Sheet:
E602

COPPER & ALUMINUM FEEDER SCHEDULE

TYPE	CONDUIT SIZE		CONDUCTORS		75°C AMP RATING
	PVC	EMT	QUAN.	SIZE	
212	3/4"	3/4"	2	#12 CU	
312	3/4"	3/4"	3	#12 CU	25
412	3/4"	3/4"	4	#12 CU	
20	3/4"	3/4"	2	#10 CU	
30	3/4"	3/4"	3	#10 CU	35
40	3/4"	3/4"	4	#10 CU	
28	3/4"	3/4"	2	#8 CU	
38	3/4"	3/4"	3	#8 CU	50
48	3/4"	3/4"	4	#8 CU	
26	3/4"	3/4"	2	#6 CU	
36	3/4"	3/4"	3	#6 CU	65
46	1"	1"	4	#6 CU	
24	3/4"	3/4"	2	#4 CU	
34	1"	1"	3	#4 CU	85
44	1-1/4"	1-1/4"	4	#4 CU	
23	1"	1"	2	#3 CU	
33	1"	1"	3	#3 CU	100
43	1-1/4"	1-1/4"	4	#3 CU	
22	1"	1"	2	#2 AL	
32	1-1/4"	1-1/4"	3	#2 AL	90
42	1-1/4"	1-1/4"	4	#2 AL	

TYPE	CONDUIT SIZE		CONDUCTORS		75°C AMP RATING
	PVC	EMT	QUAN.	SIZE	
21	1-1/4"	1-1/4"	2	#1 AL	
31	1-1/4"	1-1/4"	3	#1 AL	100
41	1-1/2"	1-1/2"	4	#1 AL	
21X	1-1/4"	1-1/4"	2	1/0 AL	
31X	1-1/2"	1-1/2"	3	1/0 AL	120
41X	1-1/2"	1-1/2"	4	1/0 AL	
22X	1-1/4"	1-1/4"	2	2/0 AL	
32X	1-1/2"	1-1/2"	3	2/0 AL	135
42X	2"	2"	4	2/0 AL	
23X	1-1/2"	1-1/4"	2	3/0 AL	
33X	2"	2"	3	3/0 AL	155
43X	2"	2"	4	3/0 AL	
24X	1-1/2"	1-1/2"	2	4/0 AL	
34X	2"	2"	3	4/0 AL	180
44X	2-1/2"	2-1/2"	4	4/0 AL	
225	2"	2"	2	250 KCMIL AL	
325	2"	2"	3	250 KCMIL AL	205
425	3"	2-1/2"	4	250 KCMIL AL	
230	2"	2"	2	300 KCMIL AL	
330	2-1/2"	2-1/2"	3	300 KCMIL AL	230
430	3"	2-1/2"	4	300 KCMIL AL	

TYPE	CONDUIT SIZE		CONDUCTORS		75°C AMP RATING
	PVC	EMT	QUAN.	SIZE	
235	2"	2"	2	350 KCMIL AL	
335	2-1/2"	2-1/2"	3	350 KCMIL AL	250
435	3"	3"	4	350 KCMIL AL	
240	2"	2"	2	400 KCMIL AL	
340	2-1/2"	2-1/2"	3	400 KCMIL AL	270
440	3"	3"	4	400 KCMIL AL	
250	2-1/2"	2-1/2"	2	500 KCMIL AL	
350	3"	3"	3	500 KCMIL AL	310
450	4"	4"	4	500 KCMIL AL	
260	2-1/2"	2-1/2"	2	600 KCMIL AL	
360	3-1/2"	3-1/2"	3	600 KCMIL AL	340
460	4"	4"	4	600 KCMIL AL	

EQUIPMENT GROUNDING CONDUCTORS SCHEDULE

OVERCURRENT DEVICE	COPPER	ALUMINUM
15	14	12
20	12	10
30	10	8
40	10	8
60	10	8
100	8	6
200	6	4
300	4	2
400	3	1
500	2	1/0
600	1	2/0
800	1/0	3/0

NOTE:
1. SEE EQUIPMENT GROUND CONDUCTOR SCHEDULES OR SERVICE GROUNDING DETAIL FOR GROUND CONDUCTORS RATING.
2. ALL INSULATION SHALL BE THHN (ABOVE GRADE) OR THWN (BELOW GRADE) UNLESS NOTED OTHERWISE.
3. PVC CONDUIT SIZE IS BASED ON SCHEDULE 40 PVC. PVC & THWN ARE APPROVED FOR UNDERGROUND FEEDERS ONLY.

MAIN DISTRIBUTION PANEL M

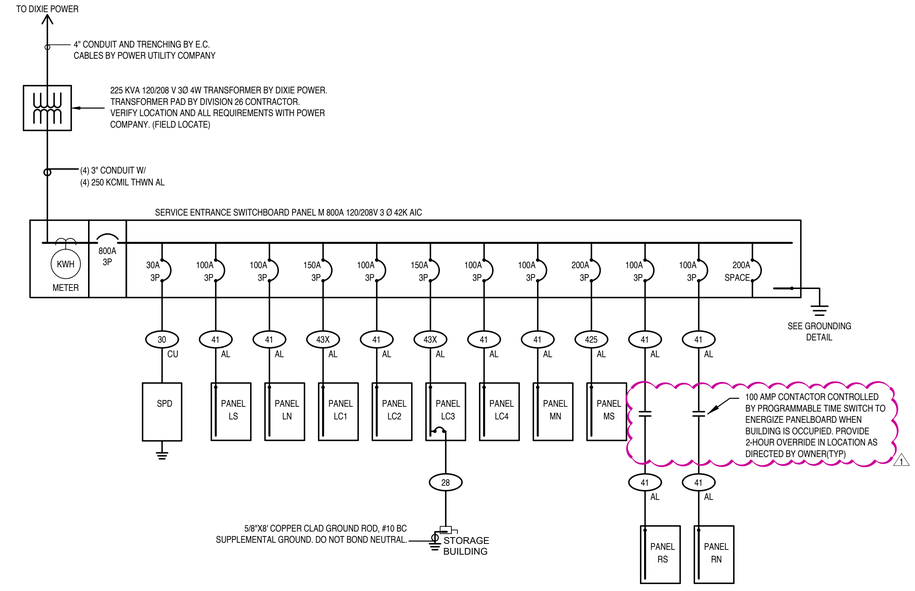
VOLTAGE: 208 120
PHASE: 3
WIRE: 4
ENCLOSURE: NEMA 3R
MOUNTING: PAD OR WALL
LOCATION:
REMARKS:

PHASE BUS: 800 AMPS
GROUND BUS: 800 AMPS
NEUTRAL BUS: 800 AMPS
MAIN DEVICE BREAKER
MAIN OVERCURRENT RATING 700 AMPS
SHORT CIRCUIT RATING: 42,000 AMPS (RMS-SYM)
36,973 AFC

CIRC. NO.	DESCRIPTION	KVA	AMPS	KVA ØA	KVA ØB	KVA ØC	O.C. DEVICE TYPE	POLES	AMP TRIP	AMP FRAME
M4	PANEL LC1	32.7	107	12.9	10.1	9.7	BRKR	3	150	AS REQ.
M5	PANEL LC2	20.1	57	6.8	6.6	6.6	BRKR	3	100	AS REQ.
M7	PANEL LC3	38.9	116	13.9	12.9	12.1	BRKR	3	150	AS REQ.
M8	PANEL LC4	18.0	55	6.6	5.8	5.6	BRKR	3	100	AS REQ.
M3	PANEL LN	7.1	24	2.5	2.8	1.7	BRKR	3	100	AS REQ.
M2	PANEL LS	9.6	30	3.7	2.7	3.3	BRKR	3	100	AS REQ.
M9	PANEL MN	20.9	63	6.6	7.5	6.8	BRKR	3	100	AS REQ.
M10	PANEL MS	36.2	113	13.6	10.7	11.9	BRKR	3	200	AS REQ.
M6	PANEL RN	16.6	49	5.3	5.4	5.9	BRKR	3	100	AS REQ.
M11	PANEL RS	10.6	39	2.9	3.1	4.6	BRKR	3	100	AS REQ.
M1	SPD			-	-	-	BRKR	3	30	AS REQ.
M12	SPACE		0	-	-	-	BRKR	3	-	200

	ØA	ØB	ØC	PANEL TOTAL
TOTAL KVA:	74.8	67.6	68.3	210.7
TOTAL AMPS:	623	563	569	623

NOTES:1. PROVIDE METER SOCKET AND CT CABINET PER LOCAL UTILITY REQUIREMENTS.
2. PROVIDE UNDERGROUND PARALLEL SERVICE TO THE SWITCHBOARD.
3. PROVIDE ALUMINUM BUSES.
4. PANEL MAY BE SERIES RATED.
5. ALL BREAKERS TO BE CAPABLE OF BEING LOCKED IN OFF POSITION.
6. PROVIDE A POWER QUALITY METER, CT'S AND PT'S MEASURING PANEL'S SERVICE ENTRANCE CONDUCTORS. TIE POWER QUALITY METER TO BUILDING MANAGEMENT SYSTEM.
7. PROVIDE REAL TIME ENERGY METERING ON EVERY BRANCH CIRCUIT IN THIS PANEL. TIE METERS TO BUILDING MANAGEMENT SYSTEM.



1 SINGLE LINE DIAGRAM
NOT TO SCALE

FAULT CURRENT CALCULATION TABLE

MAIN UTILITY COMPANY TRANSFORMER	TRANSFORMER KVA	AFC AT UTILITY	%Z
3Ø 120/208V -800A PAD MOUNTED	300	42,000 A	1.11%

CONFIGURATION FROM		CONFIGURATION TO		LENGTH	SOURCE FAULT CURRENT	FEEDER FEEDER SIZE	FEEDER FEEDERS PER PHASE	FEEDER WIRE CONSTANT	SYSTEM LINE TO LINE VOLTS	SYSTEM PHASE	FAULT CURRENT AT EQUIPMENT	FULL OR SERIES RATED	MINIMUM SYMMETRICAL EQUIPMENT AIC RATING
TRANSFORMER	UTILITY	SWITCHBOARD	M	20'-0"	42,000 AIC	250 AL	4	12,862	208 V	3Ø	36,973 AIC	FULL	42,000 AIC
SWITCHBOARD	M	PANELBOARD	LC1	160'-0"	36,973 AIC	3/0 AL	1	9,110	208 V	3Ø	5,770 AIC	FULL	10,000 AIC
PANELBOARD	M	PANELBOARD	LC2	185'-0"	36,973 AIC	1 AL	1	4,678	208 V	3Ø	2,806 AIC	FULL	10,000 AIC
PANELBOARD	M	PANELBOARD	LC3	60'-0"	36,973 AIC	3/0 AL	1	9,110	208 V	3Ø	12,211 AIC	FULL	22,000 AIC
PANELBOARD	M	PANELBOARD	LC4	95'-0"	36,973 AIC	1 AL	1	4,678	208 V	3Ø	5,098 AIC	FULL	10,000 AIC
PANELBOARD	M	PANELBOARD	LN	90'-0"	36,973 AIC	1 AL	1	4,678	208 V	3Ø	5,340 AIC	FULL	10,000 AIC
PANELBOARD	M	PANELBOARD	LS	50'-0"	36,973 AIC	1 AL	1	4,678	208 V	3Ø	8,617 AIC	FULL	10,000 AIC
PANELBOARD	M	PANELBOARD	MN	95'-0"	36,973 AIC	1 AL	1	4,678	208 V	3Ø	5,098 AIC	FULL	10,000 AIC
PANELBOARD	M	PANELBOARD	MS	55'-0"	36,973 AIC	250 AL	1	12,862	208 V	3Ø	15,960 AIC	FULL	22,000 AIC
PANELBOARD	M	PANELBOARD	RN	90'-0"	36,973 AIC	1 AL	1	4,678	208 V	3Ø	5,340 AIC	FULL	10,000 AIC
PANELBOARD	M	PANELBOARD	RS	50'-0"	36,973 AIC	1 AL	1	4,678	208 V	3Ø	8,617 AIC	FULL	10,000 AIC

NOTES:
1. DISTANCES INDICATED ARE FOR FAULT-CURRENT ANALYSIS ONLY. CONTRACTOR SHALL USE FIELD MEASUREMENTS ESTABLISH CONDUCTOR LENGTHS FOR ORDERING PURPOSES.
2. PER NEC110.24 PROVIDE FIELD MARKING ON SERVICE EQUIPMENT STATING MAXIMUM AVAILABLE FAULT CURRENT AND DATE OF FAULT CURRENT CALCULATION.

DIXIE POWER DIVISION OF RESPONSIBILITY
FOR 3-PHASE CT SERVICES THE CUSTOMER SHALL PROVIDE AND INSTALL:
1. A 13 TERMINAL PRE WIRED METER SOCKET ENCLOSURE (MILBANK CATALOG #UC3423-XL-101) OR APPROVED EQUIVALENT. THE METER SHALL BE LOCATED ON THE NON-HINGED SIDE OF THE CURRENT TRANSFORMER CABINETS. METER SOCKETS SHALL NOT BE LOCATED ABOVE OR BELOW CT ENCLOSURES.
2. A CURRENT TRANSFORMER CABINET. THE CABINET MUST BE A WEATHER-TIGHT, NEMA 3R-RATED METALLIC CABINET SECURELY MOUNTED ON A RIGID SURFACE. THE DOOR SHALL BE HINGED AND CAPABLE OF BEING SEALED. THE CABINET SHALL BE SIZED IN ACCORDANCE WITH CURRENT TRANSFORMER CABINET REQUIREMENTS. THE TOP OF CT CABINET SHALL NOT BE MORE THAN 6 FEET ABOVE GROUND NOR LESS THAN 3'-6" FROM GROUND LEVEL.
3. AN APPROVED CURRENT TRANSFORMER MOUNTING BASE. THE MOUNTING BASE SHALL ACCEPT BAR-TYPE CURRENT TRANSFORMERS ONLY . NO ALTERATION OF THE TRANSFORMER MOUNTING BASE IS ALLOWED. (SEE TRANSFORMER MOUNTING BASE REQUIREMENTS).
4. THE CONDUIT BETWEEN THE METER SOCKET ENCLOSURE AND THE CT CABINET.
5. THE CUSTOMER MUST FURNISH ALL LUGS AND CONNECT CONDUCTORS TO THE LINE AND THE LOAD TERMINALS OF THE CURRENT TRANSFORMER MOUNTING BASE.
6. A 10-POLE TEST SWITCH (REFERENCE MILBANK CATALOG# TS10-0109) NOTE: IF INSTALLATION IS A CABINET ENCLOSURE A TEST SWITCH COVER WILL ALSO BE REQUIRED (REFERENCE MILBANK CATALOG# K3388)

DIXIE POWER SHALL PROVIDE AND INSTALL:
1. THE METER.
2. INSTRUMENT CURRENT TRANSFORMERS.
3. INSTRUMENT VOLTAGE TRANSFORMERS (IF NEEDED).

TWO TYPES OF CT MOUNTING CONFIGURATIONS ARE APPROVED BY DIXIE POWER. OTHER CONFIGURATIONS SHALL BE SUBMITTED TO DIXIE POWER FOR APPROVAL.
A. CURRENT TRANSFORMER METERING, POST MOUNTED
B. CURRENT TRANSFORMER METERING, WALL MOUNTED

(REFERENCE "CT CABINET REQUIREMENTS" FOR FURTHER INFORMATION)
THREE PHASE, 4 WIRE 201-800 AMPS EUSERC 316 36"W 48"H 14"D CT BASE MOUNTING EUSERC#329A & 329B

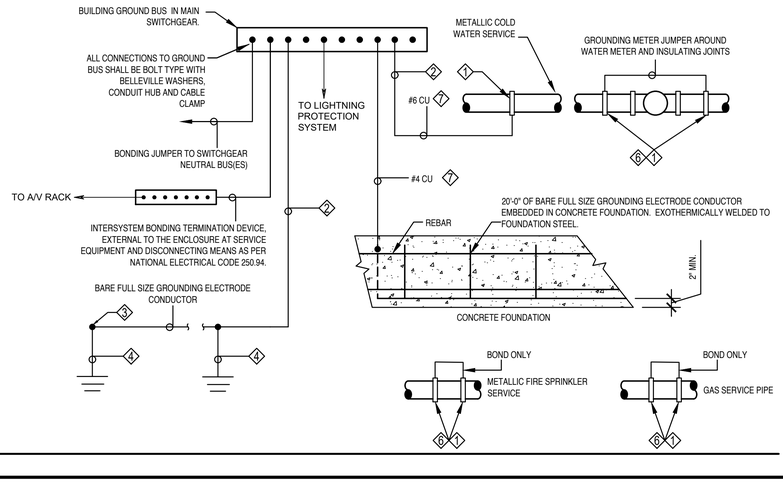
DIXIE POWER JUC NOTES
1. THE POWER DESIGN ON THIS UTILITY PLAN IS CONSIDERED BY DIXIE POWER TO BE PRELIMINARY UNTIL ACCOMPANIED BY A JUC APPROVAL STAMP. UPON RECEIPT OF THE JUC APPROVED DRAWING, DIXIE POWER'S ENGINEERING DEPARTMENT SHALL COMMENCE WITH THE FINAL CONSTRUCTION ESTIMATE. CONSTRUCTION ON THIS PROJECT WILL NOT COMMENCE UNTIL ALL CONSTRUCTION PAYMENTS HAVE BEEN MADE IN FULL.
2. ALL PRIMARY AND SECONDARY POWER INSTALLATION SHALL BE PERFORMED BY DIXIE POWER AND ITS APPROVED CONSTRUCTION CREWS. IF BACKFILL AND COMPACTION IS TO BE PROVIDED BY THE OWNER, ALL CONDUITS SHALL BE SAND BEDDED BEFORE NATIVE BACKFILL CAN BE UTILIZED.
3. IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE LOCATIONS AND ELEVATIONS FOR EACH OF THE FACILITIES THAT ARE TO BE INSTALLED WITH THIS PROJECT. IF OVERHEAD POWER LINES ARE BEING CONSTRUCTED, THE FINAL GRADE OF THE EASEMENT SHALL BE ESTABLISHED BEFORE CONSTRUCTION CAN BEGIN. IF THE GRADE CHANGES AFTER THE CONSTRUCTION HAS BEEN COMPLETED, THE COSTS TO CHANGE THE ELEVATION SHALL BE BILLABLE TO THE OWNER.
4. ALL JUC TRENCHES SHALL BE BACKFILLED AND COMPACTED IN 6 TO 8" LIFTS TO A COMPACTION OF 95% IN ROADWAYS/SIDEWALKS AND 90% BEHIND SIDEWALKS AND AT ALL PREPARED TRANSFORMER PAD AND HEAVY HARDWARE LOCATIONS. TESTING IS TO BE DONE AT THE MIDDLE AND TOP OF THE TRENCH.
5. FIELD DENSITY REPORTS FROM AN ACCREDITED GEOTECHNICAL ENGINEERING COMPANY SHALL BE SUBMITTED TO DIXIE POWERS ENGINEERING DEPARTMENT UPON COMPLETION OF THE PROJECT.
6. ALL CHANGES TO EXISTING GRADES NEAR EXISTING POWER UTILITIES MUST BE APPROVED BY DIXIE POWER'S ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION. BLUE STAKES PROTOCOL SHALL BE FOLLOWED AT ALL TIMES.
7. ANY IN FIELD CHANGES TO THE JUC APPROVED POWER DESIGN WILL BE AT THE OWNER'S EXPENSE AND MUST BE PRE-APPROVED AND DOCUMENTED BY DIXIE POWER PRIOR TO INSTALLATION.
8. OVERHEAD POWER LINE EASEMENTS SHALL NOT BE LANDSCAPED WITH TREES THAT GROW MORE THAN 15 FT AT MAXIMUM MATURITY. ALL UNDERGROUND FACILITIES SHALL BE LEFT OPEN FROM LANDSCAPING (15FT IN FRONT AND 5FT ON SIDES AND BACK FOR TRANSFORMERS AND SWITCHES AND 15 FT IN FRONT AND BACK FOR PMH HARDWARE) FOR EASE OF ACCESS.
9. PLEASE REFERENCE WWW.DIXIEPOWER.COM FOR INFORMATION ON INSTALLATION GUIDELINES AND METERING STANDARDS.

GROUNDING ELECTRODE CONDUCTOR ⑤

UNGROUNDED PHASE CONDUCTOR (COPPER)	UNGROUNDED PHASE CONDUCTOR (ALUMINUM)	GRND WIRE SIZE (CU)
#2 OR SMALLER	1/0 OR SMALLER	#8
1 OR 1/0	2/0 OR 3/0	#6
2/0 OR 3/0	4/0 OR 250	#4
>3/0 THRU 350 KCMIL	>250 KCMIL THRU 500 KCMIL	#2
>350 KCMIL THRU 600 KCMIL	>500 KCMIL THRU 900 KCMIL	1/0
>600 KCMIL THRU 1100 KCMIL	>900 KCMIL THRU 1750 KCMIL	2/0
>1100 KCMIL	>1750 KCMIL	3/0

SERVICE GROUNDING NOTES:

1. T&B 3900 BU GROUND CLAMP WITH 3/4" CONDUIT HUB AND CABLE CLAMP.
2. FULL SIZE GROUNDING ELECTRODE CONDUCTOR IN PVC.
3. EXOTHERMICALLY WELDED (TYPICAL).
4. DRIVEN GROUND RODS ⅝"x8' COPPER/STEEL ON BUILDING EXTERIOR.
5. TABLE TAKEN FROM NEC 250.66. UNGROUNDED PHASE CONDUCTOR REFERS TO THE SIZE OF THE LARGEST UNGROUNDED SERVICE-ENTRANCE CONDUCTOR OR EQUIVALENT AREA FOR PARALLEL CONDUCTORS. SEE NEC 250.66.
6. BOND METAL PIPING PER NEC 250.104.
7. REDUCED SIZE GROUNDING ELECTRODE CONDUCTOR OR BONDING JUMPER PER NEC 250.66 (A) THROUGH (C). PROVIDE FULL SIZE CONDUCTOR IF CONDITIONS OF NEC 250.66 (A) THROUGH (C) ARE NOT MET.
8. WHEN PRESENT CONTRACTOR SHALL PROVIDE ALL GROUNDING MEANS INDICATED. CONTRACTOR SHALL REFER TO ELECTRICAL ONE-LINE DIAGRAM AND GROUNDING ELECTRODE CONDUCTOR SCHEDULE (THIS DETAIL) FOR GROUNDING ELECTRODE CONDUCTOR SIZE. CONTRACTOR SHALL REFER TO ELECTRICAL SPECIFICATIONS FOR SPECIFICS OF GROUNDING SYSTEM INSTALLATION AND MATERIALS.
9. GROUNDING ROD SHALL BE MIN. 9FT. AWAY FROM IRRIGATION CONTROLLER.
10. NFPA 10 6.5 PROHIBITS UNDERGROUND FIRE SPRINKLER PIPE FROM BEING USED AS GROUNDING ELECTRODE.
11. ONLY BOND SPRINKLER PIPE AND GAS PIPE TO GROUND BUS WHEN REQUIRED BY NFPA 780 FOR LIGHTNING PROTECTION OR WHEN LIKELY TO BECOME ENERGIZED PER SEE NEC 250.104 (B).



2 SERVICE GROUNDING DETAIL
NOT TO SCALE

P.C. ARCHITECTS INC.
Dennis B. Patten, AIA
P.O. Box 217
St. George, UT 84771
(435) 673-6579

Release Date:
31 OCTOBER 2026

Stamp:
REGISTERED PROFESSIONAL ENGINEER
9657309-2202
KYLE L. BREINHOLT
November 5th, 2025
STATE OF UTAH

Project Name:
LONG VALLEY GRANGER 300 MEETINGHOUSE
WASHINGTON, UT 84780

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

BREINHOLT
POWER ENGINEERING, PLLC
805 SOUTH 1430 WEST | ST GEORGE, UT 84770
801.541.1313 | KYLE@BREINHOLTPE.COM

Mark	Date (DAY)	Description
1	03-NOV-26	ADDENDUM 1

Project Number:
PCA-
Plan Series:
G-300-MH-11
Property Number:
501-0000-0000

Sheet Title:
POWER SIGNLE LINE DIAGRAM

Sheet:
E605