



RIVIAN

PRICE, UT

SITE ADDRESS:
120 N. CARBONVILLE RD.
PRICE, UT 84501
COORDINATES:
39.601302°, -110.822556°



1350 NORTH HAGGERTY ROAD
 PLYMOUTH, MI 48170



Dewberry Engineers Inc.
 990 S. BROADWAY
 SUITE 400
 DENVER, CO 80209
 PHONE: 303.825.1802



JOSEPH GIGANTIELLO, P.E.
 UT LICENSE No 13236761-2202

DRAWN BY: RS

CHECKED BY: SES

APPROVED BY: DER

PROJECT #: 50133561

JOB #: 50187142

SUBMITTALS

REV.	DATE	DESCRIPTION
1	07/03/25	ISSUED FOR PERMIT
0	06/16/25	ISSUED FOR 100% REVIEW
A	04/30/25	ISSUED FOR 90% REVIEW

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SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

SITE INFORMATION

APPLICABLE CODES

PROJECT DESCRIPTION

JURISDICTION INFORMATION

DRAWING INDEX

EXISTING SITE ADDRESS:
 120 N. CARBONVILLE RD.
 PRICE, UT 84501

PROPERTY OWNER:
 GEN2 UTAH PROPERTIES LLC
 3845 STOCKTON HILL ROAD
 KINGMAN, AZ 86409

PARCEL:
 PARCEL ID: 01-2657-0003

COUNTY:
 CARBON, UT

SITE COORDINATES:
 39.601302°, -110.822556°

CONTACT PROJECT MANAGER:
 JUSTIN BOSTON
 DEWBERRY ENGINEERS INC.
 (301) 364-1870
 JBOSTON@DEWBERRY.COM

UTILITY:
 ROCKY MOUNTAIN POWER - PRICE CITY, UT
 CONTACT: STEVEN RICHARDSON
 PHONE: 435-636-3166
 EMAIL: STEVENR@PRICEUTAH.NET
 WORK ORDER: TBD

RIVIAN PROJECT MANAGER:
 KEN TAKADA
 PROJECT MANAGER
 (805) 234-6610
 KENTAKADA@RIVIAN.COM

24-HOUR RIVIAN CONTACT:
 (309) 249-8700

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:
 CARBON COUNTY UNIFORM BUILDING & ENERGY CODES, CONSISTENT WITH THE FOLLOWING CODES:
 2021 INTERNATIONAL BUILDING CODE
 2020 NATIONAL ELECTRIC CODE (NEC)
 IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

- INSTALL PAD MOUNTED UTILITY TRANSFORMER (SIZED BY UTILITY)
- INSTALL 1600A, 277/480V SERVICE SWITCHBOARD
- INSTALL (3) POWER CABINETS
- INSTALL (6) LEVEL 3 DCFC DISPENSERS

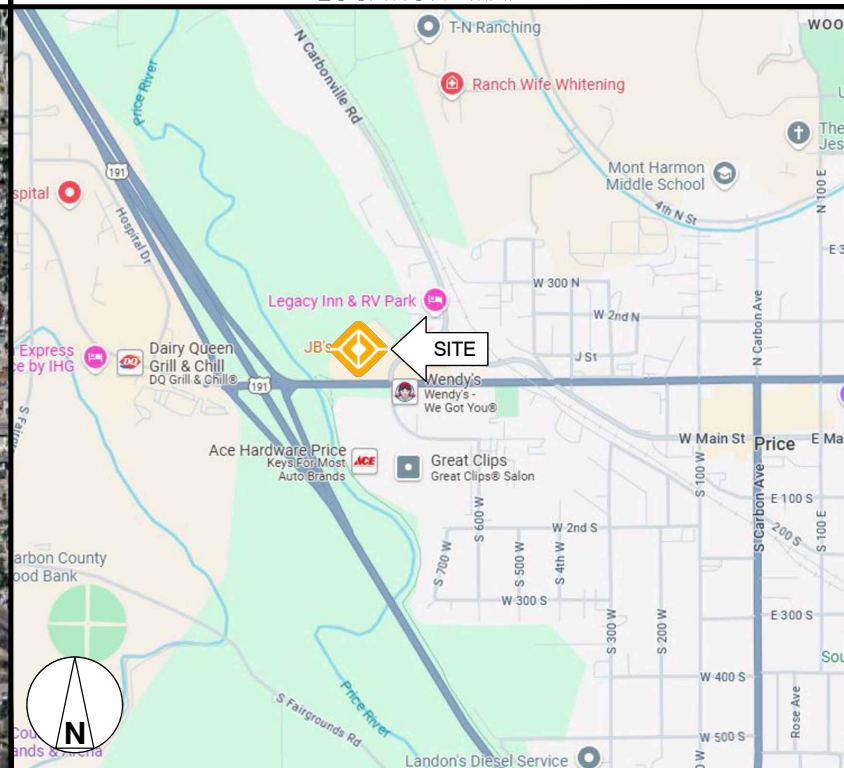
AUTHORITY HAVING JURISDICTION: CARBON COUNTY
 PARCEL NUMBER (APN): 01-2657-0003
 LOT AREA: 0.69 ACRES
 ZONING: C1 - RETAIL COMMERCIAL

SHT. NO.	SHEET TITLE
T-1	TITLE SHEET
GN-1	GENERAL NOTES I
GN-2	GENERAL NOTES II
C-1	SITE PLAN
C-2	EXISTING CONDITIONS PLAN
C-3	DETAILED PARKING PLAN
C-4	DETAILED EQUIPMENT PLAN & ELEVATION
C-5	CONSTRUCTION DETAILS I
C-6	CONSTRUCTION DETAILS II
E-1	ELECTRICAL SINGLE LINE DIAGRAM
E-2	ELECTRICAL DETAILS
E-3	EQUIPMENT DATASHEETS
E-4	UTILITY DETAILS
G-1	GROUNDING RISER & DETAILS

AERIAL MAP



LOCATION MAP



SIGNATURES/APPROVAL

SITE HOST SIGNATURE

DATE

CALL BEFORE YOU DIG



BLUE STAKES OF UTAH
 811 OR (801) 208-2100



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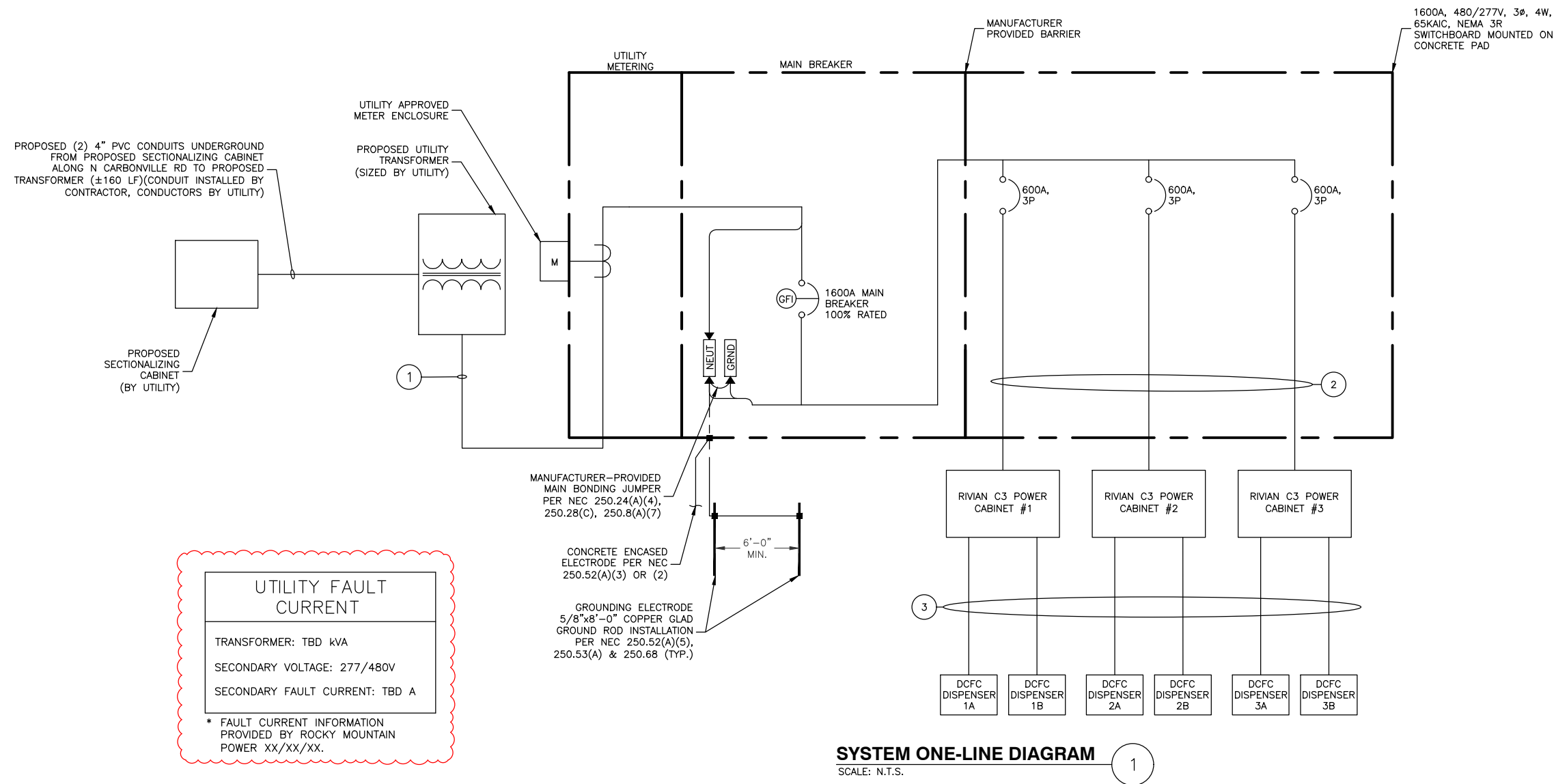
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SHEET TITLE
ELECTRICAL SINGLE
LINE DIAGRAM

SHEET NUMBER
E-1



SERVICE ELECTRICAL CIRCUIT SCHEDULE

NO.	FROM	TO	CONFIGURATION
1	UTILITY TRANSFORMER	PROPOSED 1600A SWITCHBOARD: INCOMING	[5 SETS] (3) 600KCMIL AL (XHHW-2) & (1) 600KCMIL AL (XHHW-2) NEUT IN 4" PVC CONDUIT (CONDUITS BY CONTRACTOR, CONDUCTORS BY UTILITY)
2	PROPOSED SERVICE BREAKER (600A) (TYP.-3)	PROPOSED RIVIAN POWER CABINET (TYP.-3)	[2 SETS] (3) 500KCMIL AL (XHHW-2) (1) #1 GROUND IN 4" CONDUIT (TYP.-EACH CABINET)
3	PROPOSED RIVIAN POWER CABINET (TYP.-3)	PROPOSED RIVIAN DISPENSER (TYP.-6)	[PER DISPENSER] (4) 500KCMIL AL (XHHW-2) (1000V) (1) #2/0 AWG CU GND (XHHW-2) (2) #14 INTERLOCK CU (XHHW-2) (1000V) (2) #12 CU (XHHW-2) (1) ETHERNET RJ45 BASE 100-T CAT6 (1000V) IN 1/2" INNERDUCT WITHIN CONDUIT IN 4" PVC CONDUIT

SECONDARY SERVICE LENGTHS

	LINEAR LENGTH	ESTIMATED LENGTH*
TRANSFORMER TO SWITCHBOARD	7'	22'
TOTAL LENGTH OF AC AL WIRE**:		88'
NUMBER OF WIRE SETS:		5
TOTAL LENGTH OF AL WIRE***:		440

NOTES:

- * AC CONDUCTORS: 15 FT IS ADDED TO THE HORIZONTAL RUN LENGTH TO ACCOUNT FOR BURIED DEPTH & TRANSITIONS.
- ** ESTIMATED LENGTH OF AL WIRE = SUM OF ESTIMATED LENGTH X 4 WIRES PER SET
- *** LENGTH OF AL WIRE PER DISCONNECT = ESTIMATED TOTAL LENGTH OF AL WIRE X # WIRE SETS

RIVIAN SWITCHBOARD		3P-1600A MAIN	INTERRUPT RATING: 65,000 A.I.C.	3Ø - 4 WIRE - 277/480 VOLT DEMAND AMPS: 1345 1600 AMP BUS				
CIRCUIT #	SERVING	FRAME SIZE	TRIP SETTING	LOAD TYPE	KVA AØ	KVA BØ	KVA CØ	REMARKS
1	C3 POWER CABINET #1	600.00	600.00	NC	124.2	124.2	124.2	EATON PDG3 SERIES 3P 600A FRAME
2	C3 POWER CABINET #2	600.00	600.00	NC	124.2	124.2	124.2	EATON PDG3 SERIES 3P 600A FRAME
3	C3 POWER CABINET #3	600.00	600.00	NC	124.2	124.2	124.2	EATON PDG3 SERIES 3P 600A FRAME
LOAD TYPE		CONNECTED KVA	NEC DEMAND FACTOR	DEMAND (kVA)				
CONTINUOUS LOADS (C)		0.00	125%	0.00				AØ = 372.6 kVA
NON-CONTINUOUS LOADS (NC)		1117.8	100%	1117.8				BØ = 372.6 kVA
								CØ = 372.6 kVA
								TOTAL CONNECTED = 1117.8 kVA
								TOTAL DEMAND = 1117.8 kVA

SWITCHBOARD NOTES:

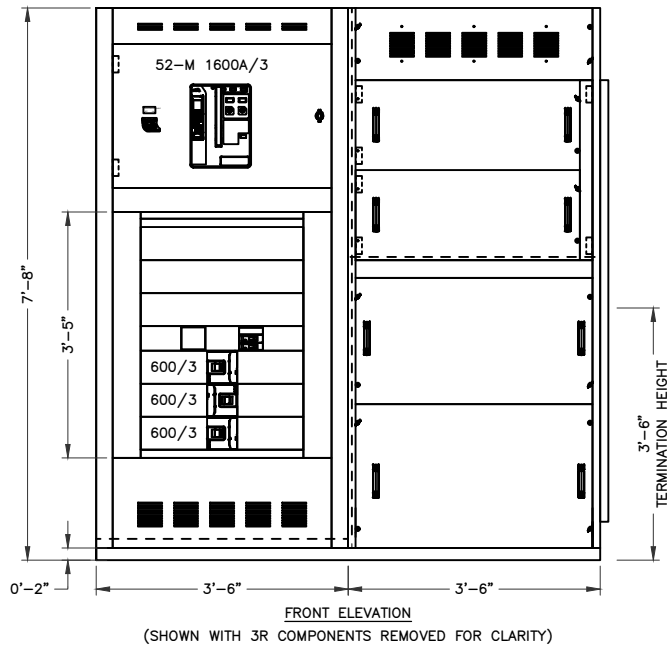
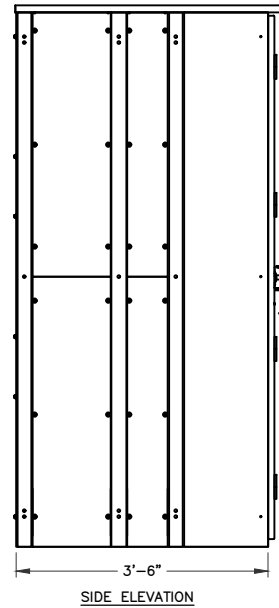
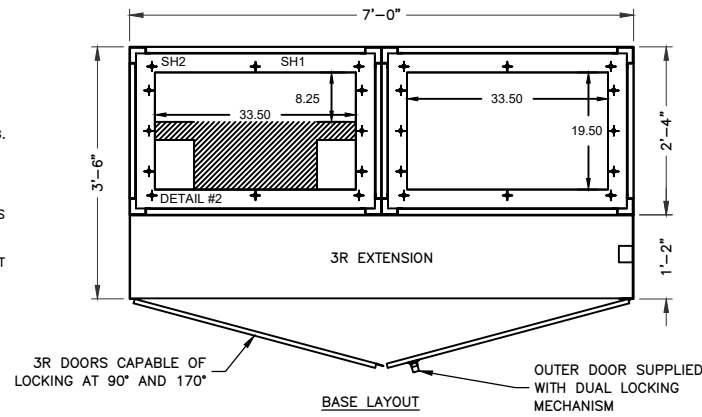
1. THE SWITCHBOARD SHALL BE LEGIBLY MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT, INCLUDING THE DATE THE CALCULATION WAS PERFORMED.
2. REFER TO THE DISTRIBUTION DIAGRAM FOR WIRE AND CONDUIT SIZES.

NOTES:

1. CONDUCTOR LENGTHS ARE ESTIMATES ONLY. FINAL CONDUCTOR ROUTING PATH AND LENGTHS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FILED BASED ON PHYSICAL MEASUREMENTS. CONTRACTOR TO ORDER CONDUCTORS BASED ON FIELD MEASUREMENTS (MUST BE APPROVED BY RIVIAN INSTALLATION MANAGER).
2. ALL ELECTRICAL WORK AND RELATED ACTIVITIES PREFORMED ON-SITE SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE (NEC) AND UTILITY COMPANY STANDARDS.
3. ALL CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION.
4. UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER AT TIME OF PRE CONSTRUCTION MEETING TO ENSURE ACCURACY OF INSTALLATION.
5. UTILITY CONDUITS, CONNECTORS, TRANSFORMER PAD & TRANSFORMER FOUNDATION TO BE INSTALLED PER UTILITY SPECIFICATION. CONFIRM LATEST SPECIFICATIONS PRIOR TO CONSTRUCTION.
6. EXISTING UNDERGROUND UTILITIES LOCATED WITHIN AREA OF PROPOSED TRENCH & EQUIPMENT SITE AREA. HAND DIG & RELOCATE AS REQUIRED.
7. CONTRACTOR SHALL CALL CITY PRIOR TO BACKFILLING CONDUITS FOR INSPECTION. PROVIDE AT LEAST 2-DAYS NOTICE.
8. ADDITIONAL INSPECTION NEEDED PRIOR TO BACK FILLING OVER MARKING TAPE. PROVIDE AT LEAST 2-DAYS NOTICE.
9. ALL CONDUIT BENDS SHALL BE FIBERGLASS LONG SWEEP BENDS.

NOTES:

1. CONTRACTOR SHALL CONFIRM FINAL SWITCHBOARD SPECIFICATIONS WITH UTILITY COMPANY PRIOR TO ORDERING.
2. CONTRACTOR SHALL COORDINATE ORIENTATION OF MAIN SECTION AND DISTRIBUTION SECTION PRIOR TO ORDERING.
3. CONTRACTOR SHALL COORDINATE FINAL STUB-UP LOCATIONS THROUGH
4. CONCRETE PAD WITH SPECIFICATIONS OF SWITCHBOARD THAT IS BEING ORDERED

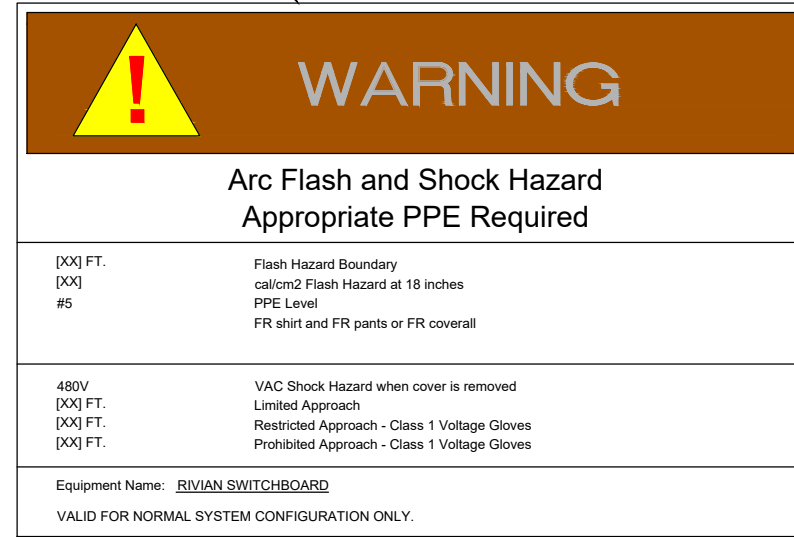


1600A 277/480V SWITCHBOARD

SCALE: N.T.S.

BREAKER SETTINGS – EATON MAIN			
MAIN SERVICE SWITCHBOARD – 1600A MCB – ZPOWER			
		PHASE	GROUND
DESIGNATION	FRAME AMPS	1600A	1600A
	AIC RATING	65	65
FRAME	MANUFACTURER	EATON	EATON
	TYPE/MODEL	SBN-616	SBN-616
TRIP UNIT	SENSOR AMPS	1600	1600
	PLUG AMPS	1600	1600
	DESCRIPTION	LSI, 1600AF, 200-1600AP	GF, 800-6000AF
	TYPE/MODEL	MAGNUM SB, DT 520	MAGNUM SB, DT 520
TRIP UNIT SETTINGS (1600A TRIP)	LONG DELAY PICKUP (lr)	1 (1600A)	
	LONG DELAY TIME (tr)	24 S	
	SHORT DELAY PICKUP (lsd)	2.5 (4000A)	
	SHORT DELAY TIME (lzt)	0.1 S	
	INSTANTANEOUS PICKUP (li)	6 (9600A)	
	GROUND FAULT PICKUP (lg)		0.75 (1200A)
	GROUND FAULT DELAY TIME (tg)		0.5 S
RIVIAN C3 POWER CABINET BREAKER – 600A			
TRIP UNIT	TYPE/MODEL	PDG3 THERMAL MAG TRIP UNIT (600A TRIP)	
TRIP UNIT SETTINGS	INSTANTANEOUS (li)	5 (3000A)	

4"x6" VINYL LABEL WITH BLACK LETTERING PER ANSI Z535 STANDARDS



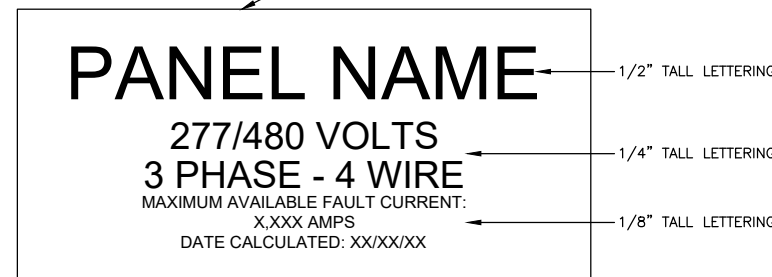
NOTES:

1. TYPICAL LABEL SHOWN. IF REQUIRED BY AHJ, SITE SPECIFIC LABELS TO BE PROVIDED BASED ON ARC FLASH HAZARD ANALYSIS TO BE PROVIDED BY DEWBERRY UNDER SEPARATE SCOPE.
2. "WARNING" HEADING FOR INCIDENT ENERGY <40 CAL/CM2.
3. "DANGER" HEADING FOR INCIDENT ENERGY >40 CAL/CM2.
4. VALUES IN BRACKETS SHALL BE UPDATED ACCORDING TO SITE SPECIFIC ARC FLASH HAZARD ANALYSIS.
5. IF REQUIRED BY AHJ LABELS SHALL BE PROVIDED TO CONTRACTOR IN PDF FORMAT.
6. MATERIAL: WEATHER AND UV RESISTANT VINYL, WITH DURABLE ADHESIVE SUITABLE FOR THE ENVIRONMENT.
7. APPLICABLE NEC SECTIONS: NEC 110.16

TYPICAL ARC FLASH LABEL DETAIL

SCALE: N.T.S.

MICARTA ENGRAVED NAMEPLATE WITH WHITE LETTERS ON BLACK BACKGROUND (ATTACHED TO EQUIPMENT WITH ADHESIVE BACKING)

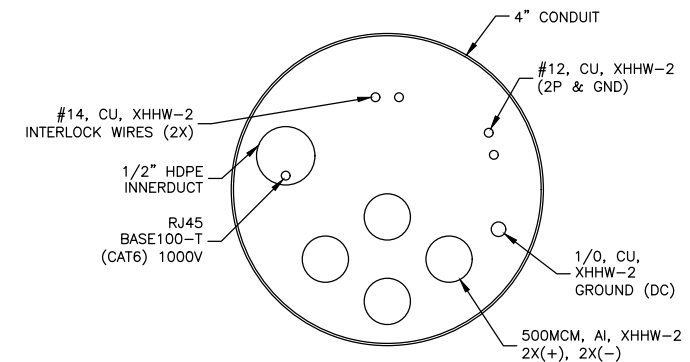


NOTES:

1. PLACE LABEL IN A VISIBLE LOCATION ON SWITCHBOARD.
2. TEXT TO BE ALL CAPITAL LETTERS. ARIAL OR SIMILAR FONT, NON-BOLD.
3. APPLICABLE NEC SECTION: NEC 110.9

TYPICAL MAX. FAULT CURRENT LABEL

SCALE: N.T.S.



DISPENSER CROSS SECTION

SCALE: N.T.S.



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ELECTRICAL DETAILS

SHEET NUMBER

E-2

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Technical Specifications



Rivian Adventure Network 1.5 CCS Dispenser

Overview	Max Output Power	300 kW DC
	Max Output Current	500 A DC (continuous)
	Output Voltage Range	200-920 V DC
	Connector Type	CCS1
	Dimensions	exp 2,267 H x 595 D x 390 W mm
	Weight	exp 180 kg
	Enclosure Rating	exp 3R
	Certification	exp ETL
	Accessibility	ADA Compliant
	Payment	NFC Contactless Credit Card Reader
Language	English, Spanish	
Connectivity	Local Area Network	100BASE-T ethernet
	Wide Area Network	4G LTE
	Vehicle Communications	DIN 70121, ISO 15118
	Backend Communication	exp OCPP 2.0.1
	Compliance	exp UL 2202 / CSA C22.2 No. 107.1, FCC Part 15
	Software	Over-the-air firmware updates
	Environmental	Operational Altitude
Operating Temperature		exp -20°C to 40°C
Storage Temperature		exp -35°C to 70°C
Operating Humidity		exp 0-100%

RAN 1.5 CCS Dispenser Product is under development. Specification can change without prior notice

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EQUIPMENT DATASHEETS
SCALE: N.T.S.

1

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Technical Specifications

3 Channel DC Power Cabinet



Power Module	Max Output Power	50kW
	Max Output Current	125A
	Power Factor	0.99
	Cooling Method	Liquid
Cabinet	AC Input Voltage	480Y/277 VAC (60Hz)
	AC Input Connection	3-phase L1, L2, L3, GND (no neutral)
	Full Load AC Amps	448 A
	Short Circuit Rating	100 kA
	Max Output Power	300 kW DC
	Output Voltage	200-920 V DC
	Total Output Current	750 A DC (continuous)
	Max Output Current per Channel *	500 A DC (continuous)
	Number of DC Output Channels	3
	Number of DC Dispensers Served	Up to 3
Number of Power Modules per Cabinet	6	
Dimensions	2,362 H x 1,219 D x 1,118 W mm	
Weight	1,200 kg	
Enclosure Rating	3R	

* The 3 Channel DC Power Cabinet can be installed with either Adventure Network Dispenser or Fleet Dispenser. Max output current per channel is determined by the paired dispenser's rated current.

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EQUIPMENT DATASHEETS

SHEET NUMBER
E-3

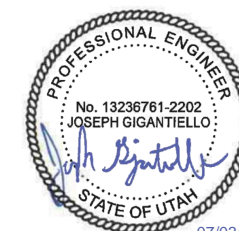


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UTILITY DETAILS

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E-4

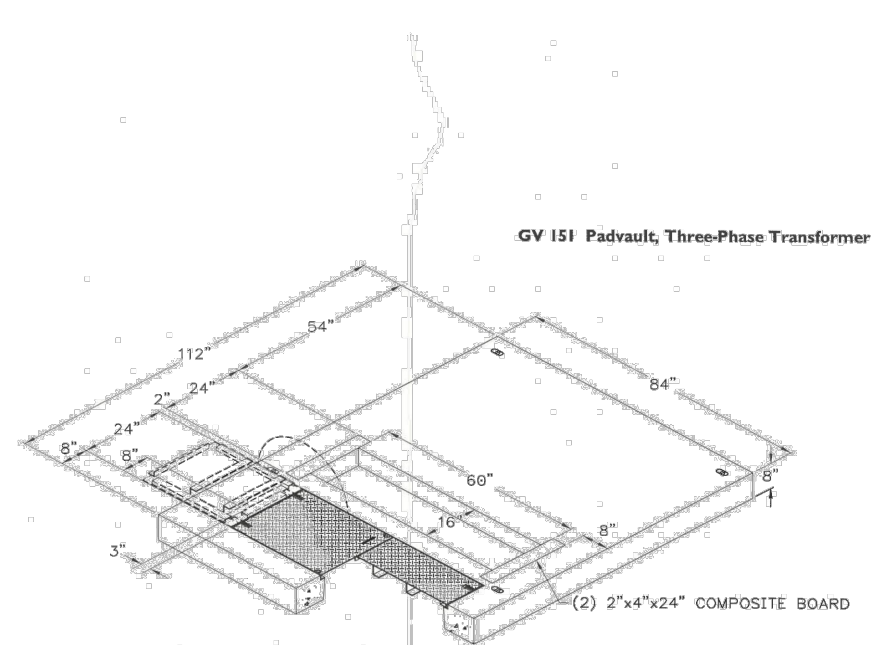


Figure 2—112" x 84" Radial-Feed Transformer Padvault, 1000-2500 kVA
(SI# 7992958)

Distribution Construction Standard
Page 3 of 6
Published Date: 3 Sep 13
Last Reviewed: 3 Sep 13



Deviation from this standard requires prior approval. Contact the standards engineering manager for approval processes and forms. Printed versions of this standard may be out of date. Please consult the online standards for the most recent version. ©2014 by PacifiCorp Engineering Publications.

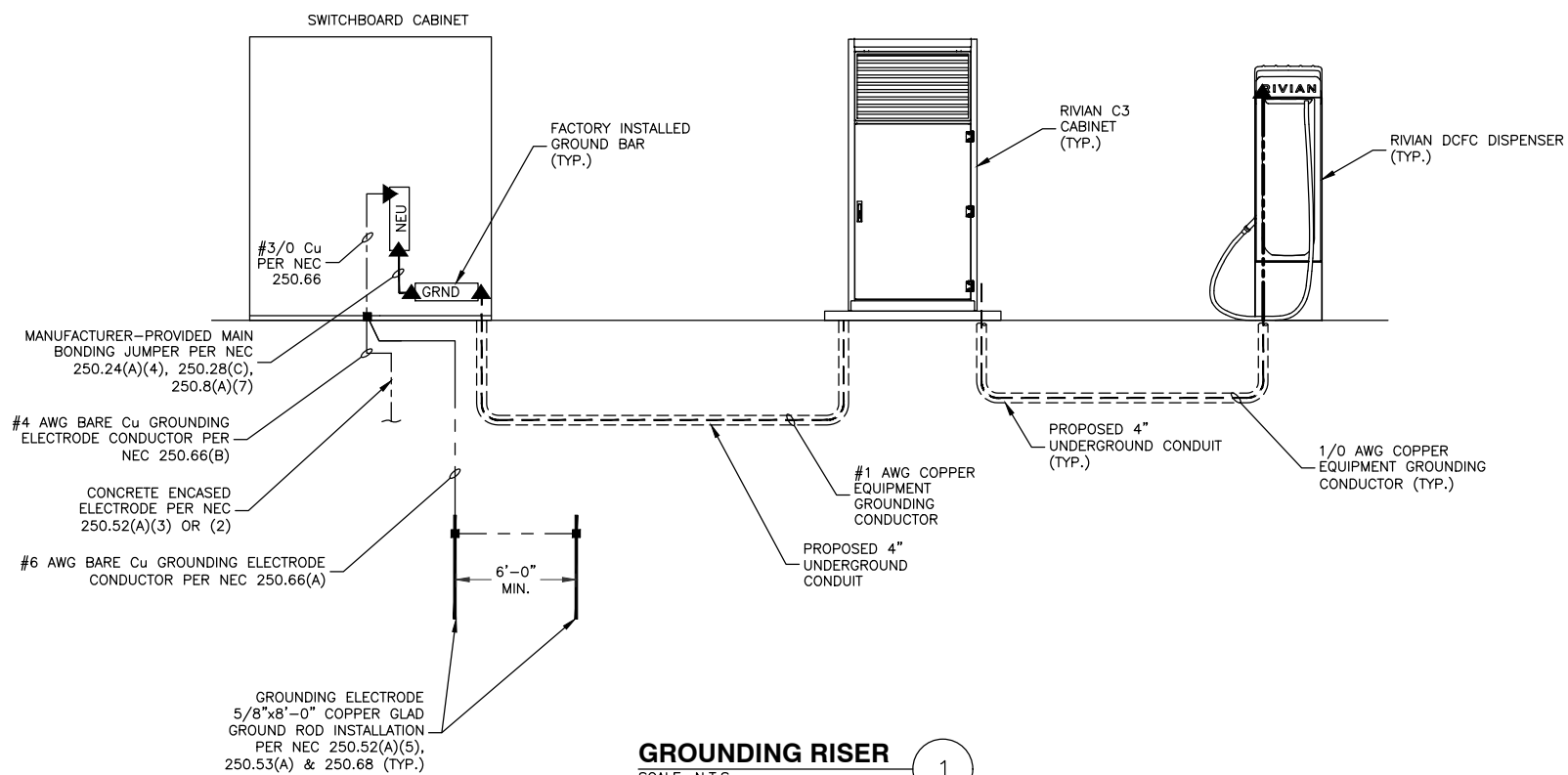
NOTES:

1. PRICE CITY, UT FOLLOWS ROCKY MOUNTAIN POWER INSTALLATION REQUIREMENTS. REFER TO LATEST ONLINE ELECTRIC SERVICE REQUIREMENTS MANUAL FOR ADDITIONAL INFORMATION.
2. RIVIAN CONTRACTOR FOR PROVIDING & INSTALLING THE PADVAULT PER ROCKY MOUNTAIN POWER REQUIREMENTS. TRANSFORMER PROVIDED & INSTALLED BY PRICE CITY, UT.

RMP TRANSFORMER PAD & VAULT

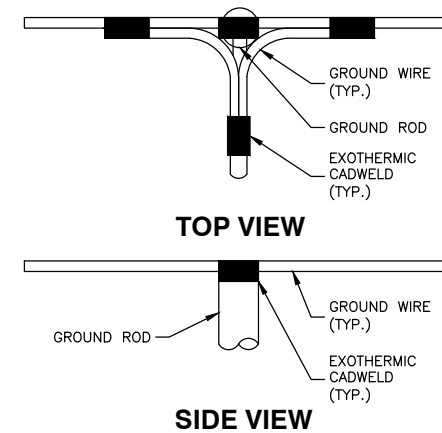
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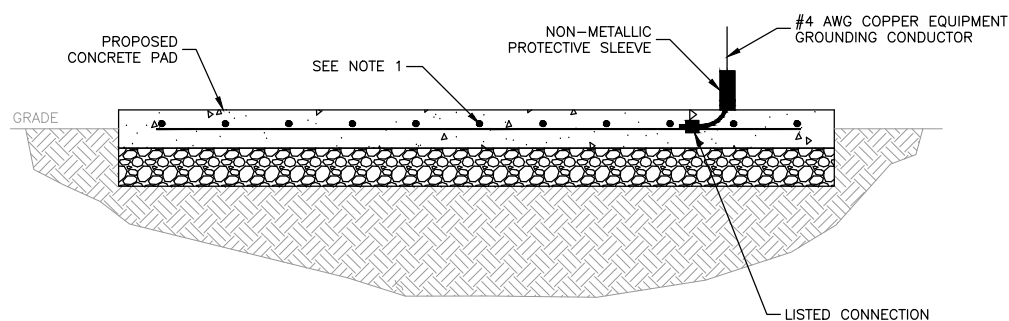
GROUNDING RISER
SCALE: N.T.S.

1



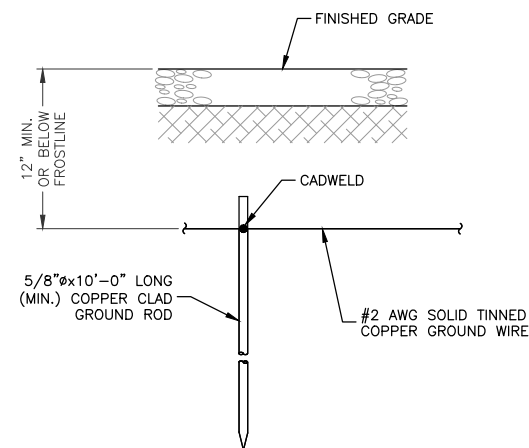
CADWELD GROUNDING DETAIL
SCALE: N.T.S.

2



CONCRETE ENCASED ELECTRODE DETAIL
SCALE: N.T.S.

3



GROUNDING ROD DETAIL
SCALE: N.T.S.

4

NOTES:

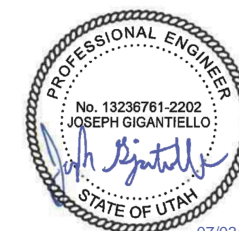
- GROUND ROD(S) SHALL BE INSTALLED IN UNDISTURBED SOIL, 12" MIN. AWAY FROM THE POLE. TOP OF GROUND ROD(S) SHALL BE 4" MIN. BELOW FINISHED GRADE. THE GROUNDING RESISTANCE SHALL BE PER THE UTILITY PROVIDER REQUIREMENTS.
- GROUND PER REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION & UTILITY COMPANY REQUIREMENTS. SEE NATIONAL ELECTRICAL CODE (NEC), SECTION 250.



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