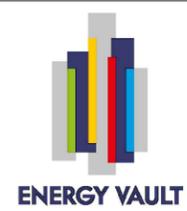


ENERGY VAULT  
 CUSTOMER DEMONSTRATION UNIT - EV/PV - SNYDER, TX  
 COMM - JUNCTION PANEL  
 PROJECT #: US-TX-CDU-EV/PV

GENERAL - LAYOUTS - PWR DISTRIBUTION - DEVICE WIRING					
DRAWING NUMBER	DESCRIPTION	SHEET NO	REV	REV DATE	REV DESCRIPTION
A-01	DRAWING INDEX	1 OF 2	A	10-Jan-2025	ISSUED FOR APPROVAL
A-02	ELECTRICAL LEGEND	2 OF 2	A	10-Jan-2025	ISSUED FOR APPROVAL
B-01	BILL OF MATERIALS	1 OF 1	A	10-Jan-2025	ISSUED FOR APPROVAL
C-01	ENCLOSURE LAYOUT - OUTER	1 OF 4	A	10-Jan-2025	ISSUED FOR APPROVAL
C-02	ENCLOSURE LAYOUT - BACK PANEL	2 OF 4	A	10-Jan-2025	ISSUED FOR APPROVAL
C-03	DIN RAIL DETAIL - PDAC (120VAC) / PDDC (24VDC)	3 OF 4	A	10-Jan-2025	ISSUED FOR APPROVAL
D-01	WIRING DIAGRAM - PDAC - 120VAC	1 OF 2	A	10-Jan-2025	ISSUED FOR APPROVAL
D-02	WIRING DIAGRAM - PDDC - 24VDC	2 OF 2	A	10-Jan-2025	ISSUED FOR APPROVAL



CUSTOMER: ENERGY VAULT INC.				ASSY. NUMBER: EVG-0101-0004830-E	
TITLE: CUSTOMER DEMONSTRATION UNIT - EV/PV - SNYDER, TX COMM - JUNCTION PANEL DRAWING INDEX					
DWN. BY DR	CHK. BY MR	APP. BY JS	DATE 01-10-2025	DWG. NO. A-01-INDEX	SHEET NO. 1 OF 2
			REV. A		

A	01-10-2025	DR	MR	JS	ECR-xx	ISSUED FOR APPROVAL
REV.	DATE	DWN	CHKD	APPD	ECR #	DESCRIPTION



CABINET AND PARTS					
ITEM #	QTY	P/N	EV P/N	DESCRIPTION	MANUFACTURER
100	1	SCE-202010ELJ	70-0000xxxx	ENLOSURE, WALL MOUNT, SINGLE DOOR, STEEL, 20" (H) X 20" (W) X 10" (D), GRAY	SAGINAW ENCL. & ENG.
200	1	SCE-20P20	70-00001052	BACK PANEL, STEEL, 17" X 17", PD. COAT WHITE	SAGINAW ENCL. & ENG.
201	2	EDR-75-24	70-0000xxx	POWER SUPPLY, EDR75 SERIES, 1PH, 115-230VAC 1.45/0.9A, 24VDC, 3.2A	MEANWELL
202	1	DRDN20-24	70-0000xxx	REDUNDANCY MODULE, 24VDC, 20A	MEANWELL
203	2	IGT-815AT	70-0000xxx	GIGABIT MEDIA CONVERTER, (1) 100/1000BASE-X SFP FIBER PORT, (1) 10/100/1000BASE-T COPPER PORT	PLANET
203	2	TBD	70-0000xxx	FIBER TRANSCEIVERS	TBD
204	1	PWS1-A-52-00-1-D	70-0000xxx	FIBER PATCH PANEL, SINGLEMODE, 12 STRAND, DIN-MOUNT	RLH INDUSTRIES
204	1	DIN CLIP30	70-0000xxx	FIBER PATCH PANEL, ACCESSORIES, DIN CLIP	RLH INDUSTRIES
209	1	EV-GND-KIT	70-0000763	GROUND BAR KIT	ENERGY VAULT
210	6	0800886	70-0000391	END BRACKET, E/NS 35N	PHOENIX CONTACT
211	1	1004348	70-0000392	MARKER, TERMINAL STRIP, KLM-A	PHOENIX CONTACT
--	AR	1206599	70-0000690	DIN RAIL, PERFORATED, 35MM(W), 15MM(H), STEEL, GALVANIZED, NS 35/15 ZN PERF 2000MM	PHOENIX CONTACT
--	AR	G1X4LG6-A	70-000010xx	WD, 1x4 INCH, LIGHT GRAY, PVC	PANDUIT
--	AR	C1LG6	70-000010xx	WD COVER, 1 INCH, LIGHT GRAY, PVC	PANDUIT

POWER DISTRIBUTION - 24VDC					
ITEM #	QTY	P/N	EV P/N	DESCRIPTION	MANUFACTURER
401	1	3118203	70-000xxxx	TERMINAL FUSE HOLDER, SINGLE LEVEL, FEED THROUGH, 250V/30A, 24AWG - 10 AWG, UK 6-FS/C	PHOENIX CONTACT
402	1	3044199	70-0001215	TERMINAL, SINGLE LEVEL, FEED THROUGH TERMINAL, 1000V/76A, 14AWG - 4 AWG, UT 16	PHOENIX CONTACT
404	1	3047206	70-0001217	END COVER, SINGLE LEVEL TERMINAL, D-UT 16	PHOENIX CONTACT
410	2	UD-80A	70-0000656	DISTRIBUTION BLOCK, SINGLE POLE, 1IN/6OUT, 1000V/80A, COPPER, DIN MOUNT	NVENT/ERIFLEX
421	2	0712233	70-000xxxx	CIRCUIT BREAKER, THERMAL, 3A, 1-POLE, 250VAC/72VDC, SLOW BLOW	EATON
210	2	0800886	70-0000391	END BRACKET, E/NS 35N	PHOENIX CONTACT
211	1	1004348	70-0000392	MARKER, TERMINAL STRIP, KLM-A	PHOENIX CONTACT

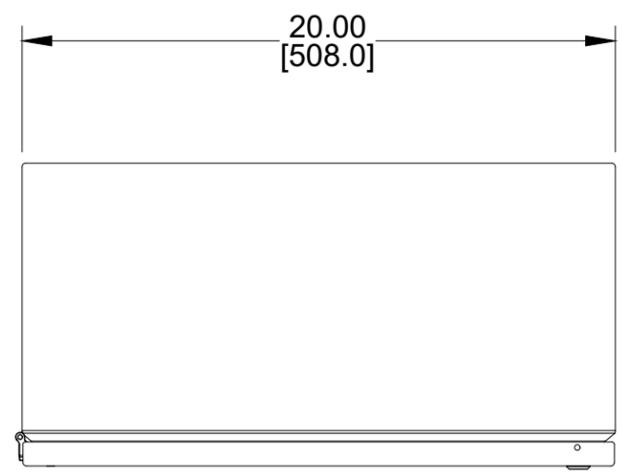
POWER DISTRIBUTION - 120VAC					
ITEM #	QTY	P/N	EV P/N	DESCRIPTION	MANUFACTURER
400	1	FAZ-C15/1-NA	70-000xxxx	CIRCUIT BREAKER, MINIATURE, 15A, 1-POLE, 277V, C-CURVE, UL489, FAZ LINE	EATON
401	2	3118203	70-000xxxx	TERMINAL FUSE HOLDER, SINGLE LEVEL, FEED THROUGH, 250V/30A, 24AWG - 10 AWG, UK 6-FS/C	PHOENIX CONTACT
402	2	3044199	70-0001215	TERMINAL, SINGLE LEVEL, FEED THROUGH TERMINAL, 1000V/76A, 14AWG - 4 AWG, UT 16	PHOENIX CONTACT
403	2	3044212	70-0001216	TERMINAL, PE, SINGLE LEVEL, FEED THROUGH TERMINAL, 1000V76A, 14AWG - 4 AWG, UT 16-PE	PHOENIX CONTACT
404	1	3047206	70-0001217	END COVER, SINGLE LEVEL TERMINAL, D-UT 16	PHOENIX CONTACT
420	1	0712314	70-000xxxx	CIRCUIT BREAKER, THERMAL, 10A, 1-POLE, 250VAC/72VDC, SLOW BLOW	EATON
210	2	0800886	70-0000391	END BRACKET, E/NS 35N	PHOENIX CONTACT
211	1	1004348	70-0000392	MARKER, TERMINAL STRIP, KLM-A	PHOENIX CONTACT

A	01-10-2025	DR	MR	JS	ECR-xx	ISSUED FOR APPROVAL	
REV.	DATE	DWN	CHKD	APPD	ECR #	DESCRIPTION	

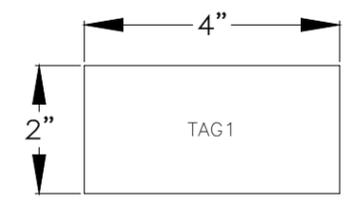


CUSTOMER:				ENERGY VAULT INC.				ASSY. NUMBER:		EVG-0101-0004830-E	
TITLE:				CUSTOMER DEMONSTRATION UNIT - EV/PV - SNYDER, TX COMM - JUNCTION PANEL BILL OF MATERIALS							
DWN. BY	CHK. BY	APP. BY	DATE	DWG. NO.	SHEET NO.	REV.					
DR	MR	JS	01-10-2025	B-01-BOM	1 OF 1	A					

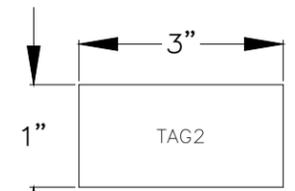
NAMEPLATE LEGEND			
ITEM	LINE 1	LINE 2	TYPE
A1	EV PV	COMM J-BOX	TAG1



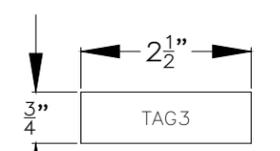
ENCLOSURE LAYOUT  
(TOP VIEW)



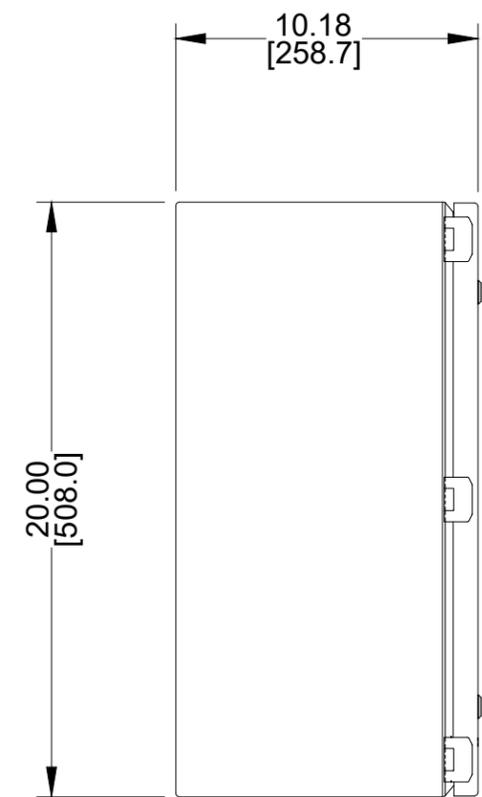
ENCLOSURE NAMEPLATE  
BLACK ON WHITE  
STICKY BACK  
(LETTERING 1/4" CENTERED)



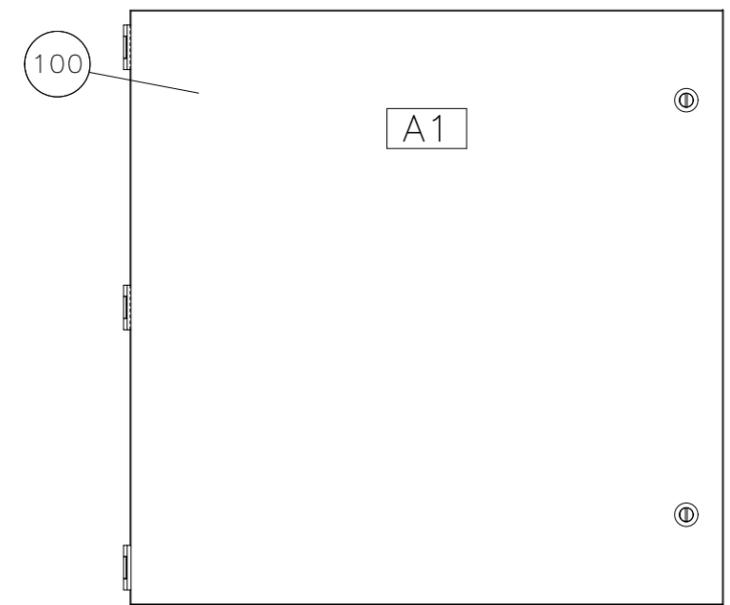
ENCLOSURE NAMEPLATE  
BLACK ON WHITE  
STICKY BACK  
(LETTERING 1/4" CENTERED)



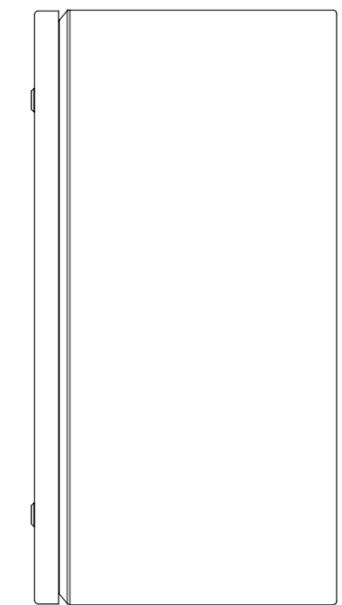
PUSH-BUTTON & LIGHT NAMEPLATE  
BLACK ON WHITE  
STICKY BACK  
(LETTERING 1/4" CENTERED 1 LINE  
LETTERING 3/16" CENTERED 2 LINES)



ENCLOSURE LAYOUT  
(LEFT VIEW)



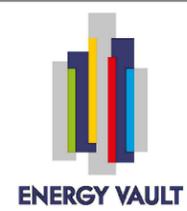
ENCLOSURE LAYOUT  
(FRONT VIEW)



ENCLOSURE LAYOUT  
(RIGHT VIEW)

SHIPPING DETAILS
CONTROL PANEL
QUANTITY: 1
OVERALL DIMENSIONS: H = 20" W = 20" D = 10"
SHIPPING WEIGHT: --- LBS

REV.	DATE	DWN	CHKD	APPD	ECR #	DESCRIPTION
A	01-10-2025	DR	MR	JS	ECR-xx	ISSUED FOR APPROVAL

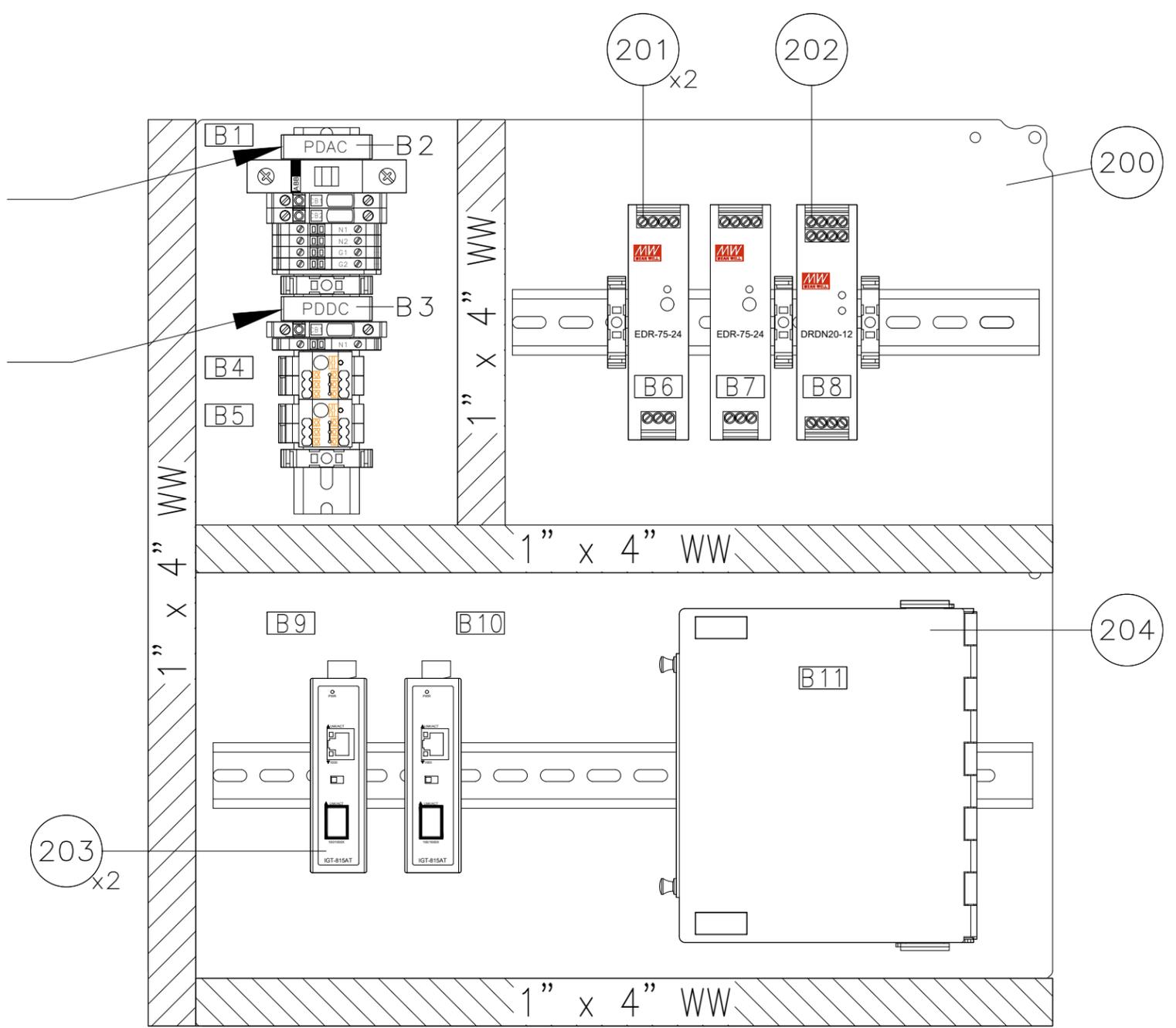


CUSTOMER: ENERGY VAULT INC.				ASSY. NUMBER: EVG-0101-0004830-E			
TITLE: CUSTOMER DEMONSTRATION UNIT - EV/PV - SNYDER, TX COMM - JUNCTION PANEL ENCLOSURE LAYOUT - OUTER							
DWN. BY DR	CHK. BY MR	APP. BY JS	DATE 01-10-2025	DWG. NO. C-01-LAYOUTENC	SHEET NO. 1 OF 3	REV. A	

NAMEPLATE LEGEND		
ITEM	LINE 1	LINE 2
B1	120VAC-IN	--
B2	PDAC	--
B3	PDDC	--
B4	24V	--
B5	0V	--
B6	PSDC1	--
B7	PSDC2	--
B8	PSRED	--
B9	COMM1	--
B10	COMM2	--
B11	FIBER	PATCH

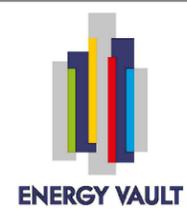
FOR PDAC  
DIN RAIL DETAIL  
SEE DWG: C-04

FOR PDDC  
DIN RAIL DETAIL  
SEE DWG: C-04

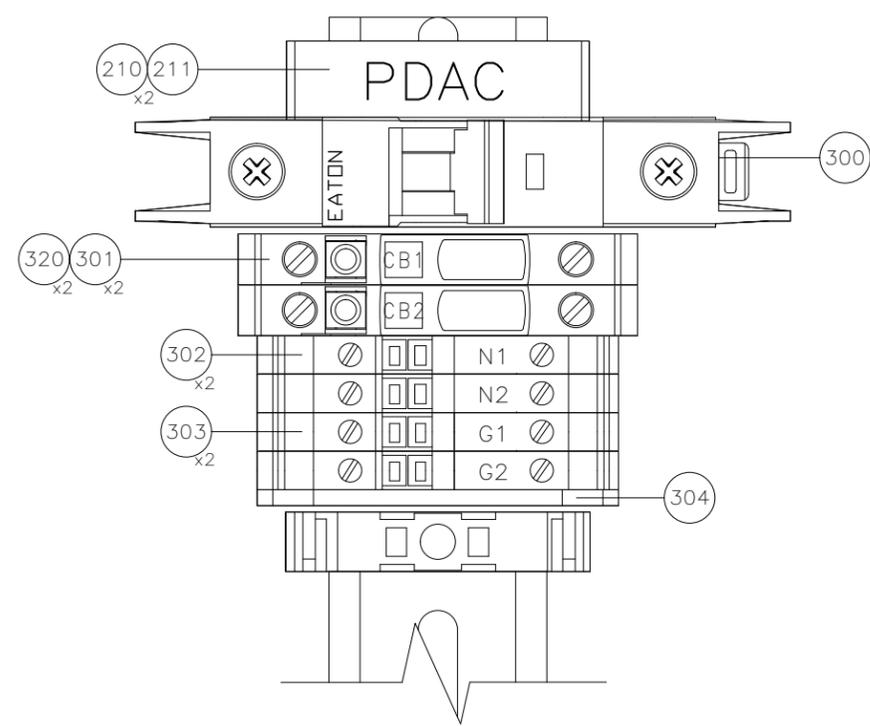


BACK PANEL LAYOUT - FRONT PANEL  
(FRONT VIEW)

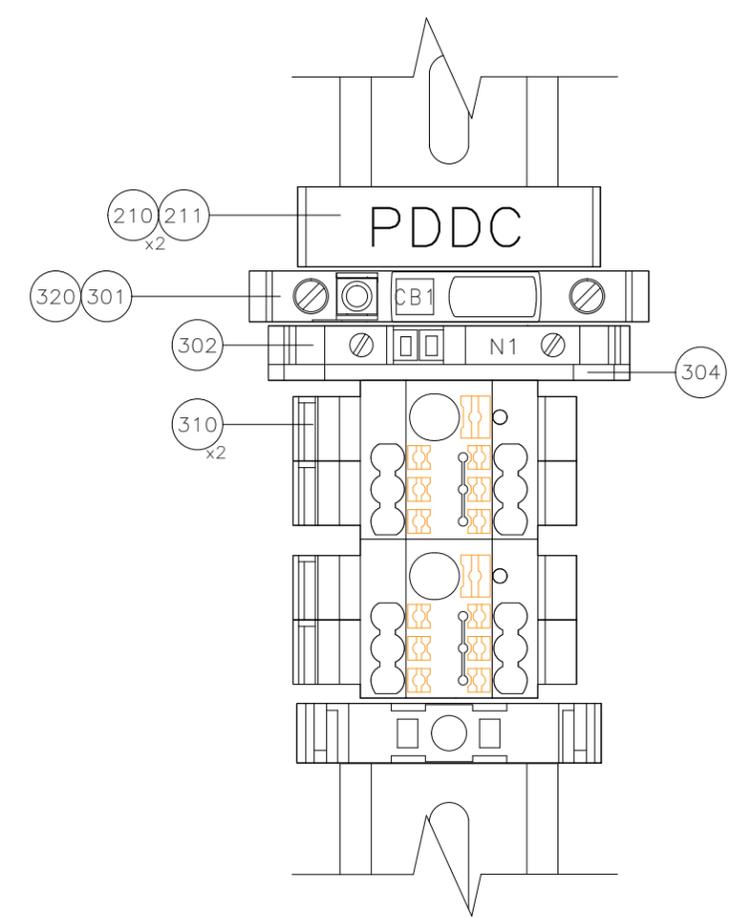
A	01-10-2025	DR	MR	JS	ECR-xx	ISSUED FOR APPROVAL	
REV.	DATE	DWN	CHKD	APPD	ECR #	DESCRIPTION	



CUSTOMER: ENERGY VAULT INC.					ASSY. NUMBER: EVG-0101-0004830-E		
TITLE: CUSTOMER DEMONSTRATION UNIT - EV/PV - SNYDER, TX COMM - JUNCTION PANEL ENCLOSURE LAYOUT - BACK PANEL							
DWN. BY DR	CHK. BY MR	APP. BY JS	DATE 01-10-2025	DWG. NO. C-02-LAYOUTIN	SHEET NO. 2 OF 3	REV. A	



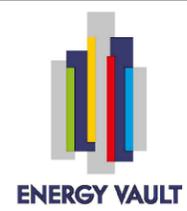
POWER DISTRIBUTION - PDAC - 120V  
(DIN RAIL DETAIL)



POWER DISTRIBUTION - PDDC - 24VDC  
(DIN RAIL DETAIL)

NOTES:  
 1. MEASUREMENTS SHOWN IN INCHES UNLESS OTHERWISE SPECIFIED.  
 2. FOR ITEM NUMBER REFERENCE BILL OF MATERIAL SHEET B-01.  
 3. FOR TERMINAL STRIP PLACEMENT REFERENCE C-02.

REV.	DATE	DWN	CHKD	APPD	ECR #	DESCRIPTION
A	01-10-2025	DR	MR	JS	ECR-xx	ISSUED FOR APPROVAL



CUSTOMER: ENERGY VAULT INC.				ASSY. NUMBER: EVG-0101-0004830-E	
TITLE: CUSTOMER DEMONSTRATION UNIT - EV/PV - SNYDER, TX COMM - JUNCTION PANEL DIN RAIL DETAIL - PDAC (120VAC)/PDDC (24VDC)					
DWN. BY DR	CHK. BY MR	APP. BY JS	DATE 01-10-2025	DWG. NO. C-03-PDAC-PDDC	SHEET NO. 3 OF 3
				REV. A	



