					WER PANE		the section of the se				
	MAAINI	DDEAL	12 KER RAT		LTS, 1-PH/ 20	A CONTRACTOR OF THE CONTRACTOR		A TEM VOL	TACE	- ΛΛ -	240
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
DESCRIPTION	1,00,00,00	ACA	DKK	PUSIN		LZ	100.100/100.000	DKK	-	17.00.00	DESCRIPTION
RECTIFIER #1	150	С	30/2	1	3400	0.400	2	50/2 C	3250	HVAC #1	
	150	С	-	3	0.400	3400	4	9	С	3250	
RECTIFIER #2	150	С	30/2	5	3400	0.400	6	50/2 C		3250	HVAC #2
12 (+ <del>13 (5 + 400)</del> ) (10 st + 1 + 40) + 40) (10 st + 5 st - 10 st - 1	150	С	SUPANTA	7		3400	8		С	3250	PRODUCTO CONTRACTOR
RECTIFIER #3	150	nc	30/2	9	1150		10	20/1	nc	1000	GEN HEATER
	150	nc		11		800	12	20/1	nc	650	GEN BATTERY
RECTIFIER #4	150	С	30/2	13	870		14	20/1	nc	720	INTERIOR RECEPTACLE
State Sold of the second	150	С	ATOCKETOR	15		1050	16	20/1	nc	900	INTERIOR LIGHTS
RECTIFIER #5	150	С	30/2	17	450		18	20/1	nc	300	EXTERIOR LIGHTS
TEOTH IEICHO	150	С	00,2	19		150	20	30/2 nc	nc	0	RECTIFIER #11
RECTIFIER #6	150	С	30/2	21	150		22	00/2	nc	0	REOTH LEICHT
KEOTH IEK #0	150	С	30/2	23		150	24	30/2	nc	0	RECTIFIER #12
RECTIFIER #7	150	С	30/2	25	150		26	30/2	nc	0	REOTH IER #12
RECTIFIER #1	150	С	30/2	27		150	28				BLANK
RECTIFIER #8	150	С	30/2	29	150		30				BLANK
RECTIFIER #6	150	С	30/2	31		150	32				BLANK
RECTIFIER #9	150	С	30/2	33	150	Î	34				BLANK
RECTIFIER #9	150	С	30/2	35		150	36				BLANK
DECTIFIED #40	0	nc	30/2	37	0		38				BLANK
RECTIFIER #10	0	nc	30/2	39		0	40				BLANK
XTERIOR RECEPTACLE	360	nc	20/1	41	360		42				BLANK
	1	PHASE	TOTAL	S (VA):	10230	9400				· · ·	
		PHAS	SE TOTA	LS (A):	85	78					
CURRENT PER PHASE W/ 125% Continuous Loads (A):				ads (A):	101	94	Amperes	Amperes/phase cannot exceed main breaker rating			
	PANEL TOTAL (VA):				196	30	-	Legend: c = continuous, nc = non-continuous			nc = non-continuous

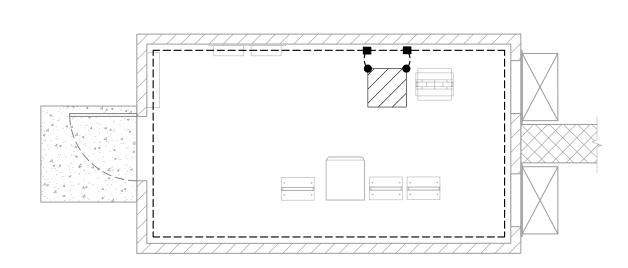
EXISTING PANEL SCHEDULE

FOR CODE AC POWER PANEL A (PROPOSED) 120/240 VOLTS, 1-PHASE, 3-WIRE, 225A **MPLIANCE** MAIN BREAKER RATING (A) : SYSTEM VOLTAGE (V) 200 09/16/2024 ESCRIPTION VA c/nc BKR POSN L1 L2 POSN BKR c/nc VA DESCRIPTION 1480 c 4730 c 3250 VERTIV RECTIFIER 1 & 2 30/2 50/2 HVAC #1 1480 4730 1480 c 4730 3250 **VERTIV RECTIFIER 3 & 4** 30/2 50/2 HVAC #2 1480 c 4730 8 c 3250 1480 nc GEN HEATER 2480 20/1 nc 1000 10 30/2 **VERTIV RECTIFIER 5 & 6** 1480 nc 11 2130 12 20/1 nc GEN BATTERY 1480 c 13 2200 14 20/1 nc INTERIOR RECEPTACLE 30/2 **VERTIV RECTIFIER 7 & 8** 15 1480 c 2380 INTERIOR LIGHTS 16 20/1 nc 900 1040 740 С 17 18 20/1 nc EXTERIOR LIGHTS **VERTIV RECTIFIER 9** 30/2 740 c 19 20 nc 30/2 SPARE / OFF 21 22 0 nc 0 SPARE / OFF 30/2 0 nc 23 24 30/2 SPARE / OFF 0 nc 25 0 26 SPARE / OFF 30/2 27 0 nc 28 BLANK nc 29 30 BLANK SPARE / OFF 30/2 nc 31 32 0 BLANK 0 nc 33 0 34 BLANK SPARE / OFF 30/2 nc 35 BLANK BLANK 37 38 0 nc SPARE / OFF 30/2 0 nc 39 0 40 BLANK EXTERIOR RECEPTACLE 360 nc 20/1 41 42 BLANK 360 PHASE TOTALS (VA): 15540 14710 PHASE TOTALS (A): 130 CURRENT PER PHASE W/ 125% Continuous Loads (A): 154 147 Amperes/phase cannot exceed main breaker rating PANEL TOTAL (VA): 30250 Legend: c = continuous, nc = non-continuous

PANEL TOTAL W/ 125% Continuous Loads (VA):

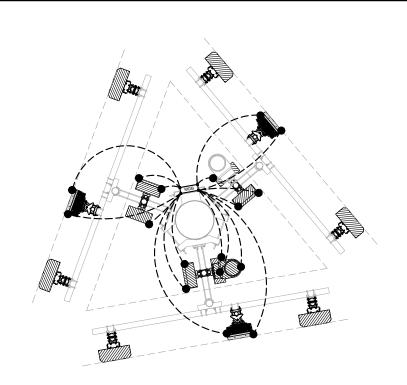
PROPOSED PANEL SCHEDULE

36090



LEGEND EXOTHERMIC CONNECTION MECHANICAL CONNECTION ANTENNA GROUND BAR MGB MASTER GROUND BAR

**EQUIPMENT GROUNDING PLAN** 



LEGEND EXOTHERMIC CONNECTION MECHANICAL CONNECTION ANTENNA GROUND BAR MASTER GROUND BAR

**REVIEWED** 

ANTENNA GROUNDING PLAN SCALE: N.T.S.



PLANS PREPARED BY:



326 TRYON ROAD RALEIGH. NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net

REV.	DESCRIPTION	BY	DATE
$\triangle$	PRELIMINARY	ANM	08/14/24
$\wedge$	100% CONSTRUCTION	JMH	08/30/24
$\overline{\wedge}$			
$\overline{\wedge}$			
$\overline{\wedge}$			

ATC SITE NUMBER: 205626

ATC SITE NAME: HWY 40 AND HWY 131

AT&T MOBILITY SITE NUMBER:

SICO001592

AT&T MOBILITY SITE NAME:

HWY 40 & HWY 131

SITE ADDRESS: 30700 COUNTY RD 14B STEAMBOAT SPRINGS



DATE DRAWN: 08/30/24 ATC JOB NO: 14758496 CUSTOMER NAME: HWY 40 & HWY 131 CUSTOMER ID: SICO001592

**ELECTRICAL DETAILS** 

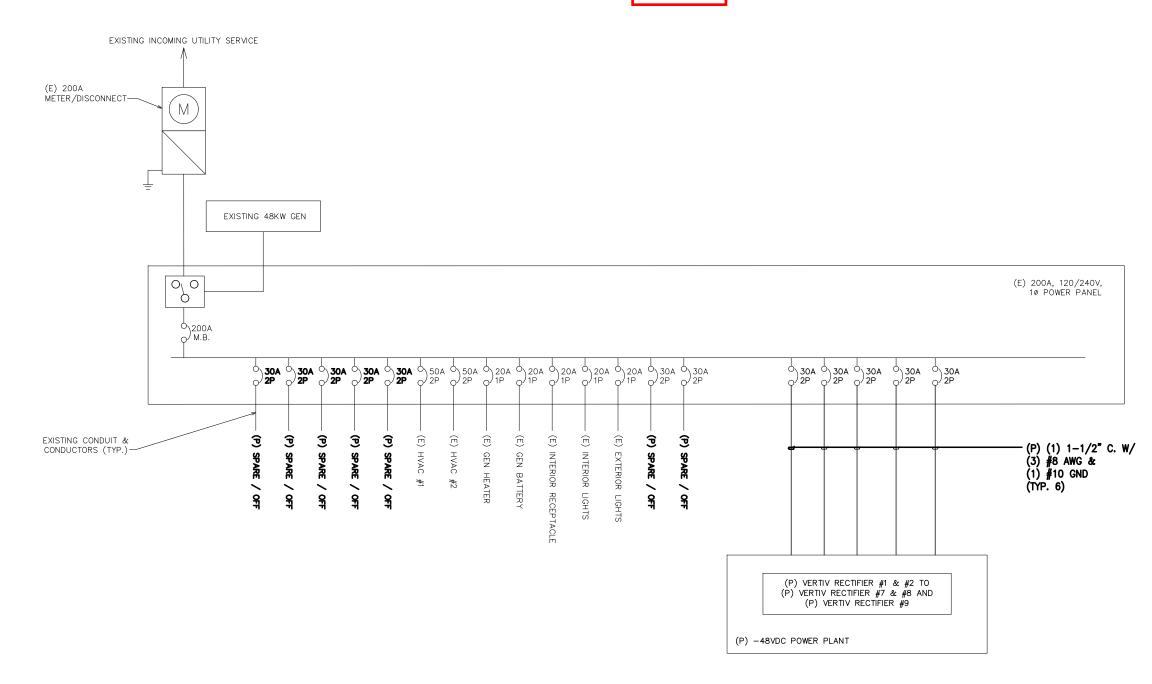
SHEET NUMBER:

E-101

0

REVISION

REVIEWED FOR CODE COMPLIANCE 09/16/2024



LEGEND:

(E) - EXISTING (P) - NEW ONE-LINE DIAGRAM
SCALE: N.T.S



PLANS PREPARED BY:



326 TRYON ROAD RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net

REV.	DESCRIPTION	BY	DATE
$\mathbb{A}_{-}$	PRELIMINARY	ANM	08/14/24
$\wedge$ _	100% CONSTRUCTION	JMH	08/30/24
$\overline{\wedge}$			
$\overline{\wedge}$			
$\overline{\wedge}$			

ATC SITE NUMBER: 205626

ATC SITE NAME: HWY 40 AND HWY 131

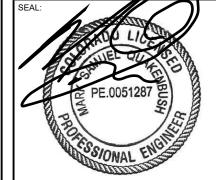
AT&T MOBILITY SITE NUMBER:

SICO001592

AT&T MOBILITY SITE NAME: HWY 40 & HWY 131

SITE ADDRESS:

30700 COUNTY RD 14B STEAMBOAT SPRINGS



08/30



ı					
	DATE DRAWN:	08/30/24			
	ATC JOB NO:	14758496			
	CUSTOMER NAME:	HWY 40 & HWY 131			
	CUSTOMER ID:	SICO001592			

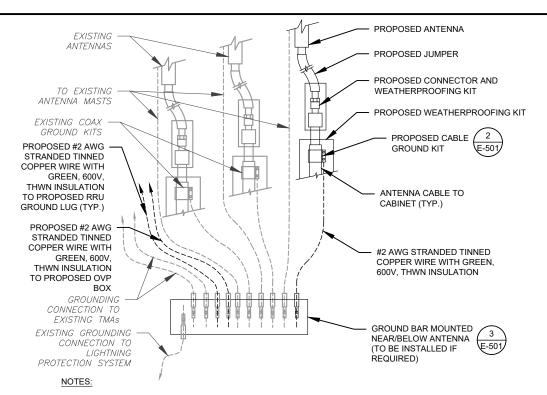
**ELECTRICAL DETAILS** 

SHEET NUMBER:

R: REVISION:

E-102

0



- THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
- 2. SITE GROUNDING SHALL COMPLY WITH AT&T MOBILITY GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T MOBILITY GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.
  TYPICAL ANTENNA GROUNDING DIAGRAM



TO EQUIPMENT

GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

TO ANTENNA

0

2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

**REVIEWED** 

**FOR** 

CODE

COMPLIANCE

09/16/2024

ANTENNA CABLE 2 1/2"Ø MAX

GROUNDING KIT PER CABLE

#2 AWG STRANDED TINNED

(GROUNDED TO GROUND BAR)

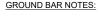
COPPER GROUND WIRE

TO GROUND BAR

(ANDREW OR APPROVED EQUAL)

MANUFACTURER'S RECOMMENDATIONS





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0

3/8" X 1-1/2" SS BOLT

(EACH SIDE)

0

GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).

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3/8" SS LOCK WASHER

1/4" X 4" X 6" GROUND BAR

(LOWER TOWER GROUND

WITH #2 AWG BCW

BAR ONLY)

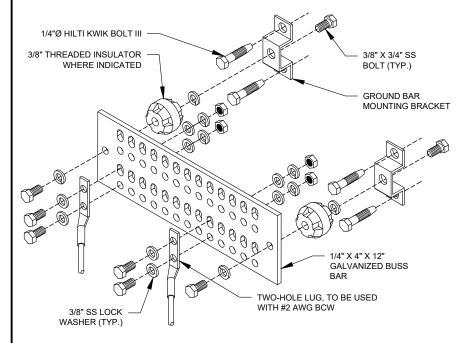
TWO-HOLE LUG, TO BE USED

(ERICO P/N: EGBA14406CC OR EQUAL)

(EACH SIDE)

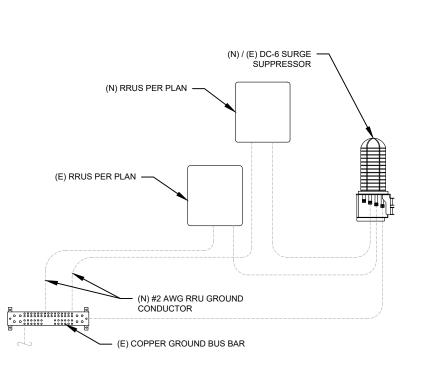
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

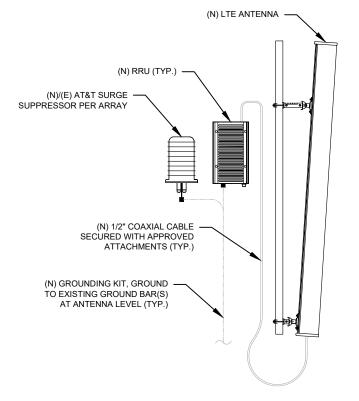




## **GROUND BAR NOTES**

- GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S)
- 2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.





ANTENNA/RRU GROUNDING



PLANS PREPARED BY:



RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net

l	REV.	DESCRIPTION	BY	DATE
l	A.	PRELIMINARY	ANM	08/14/24
l	$\triangle$	100% CONSTRUCTION	JMH	08/30/24
l	$\wedge$			
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l	$\overline{\wedge}$			

ATC SITE NUMBER: 205626

ATC SITE NAME: HWY 40 AND HWY 131

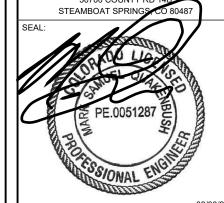
AT&T MOBILITY SITE NUMBER:

SICO001592

AT&T MOBILITY SITE NAME:

HWY 40 & HWY 131

SITE ADDRESS: 30700 COUNTY RD 145





	DATE DRAWN:	08/30/24
	ATC JOB NO:	14758496
	CUSTOMER NAME:	HWY 40 & HWY 131
	CUSTOMER ID:	SICO001592

**GROUNDING DETAILS** 

SHEET NUMBER

REVISION E-501

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MAIN GROUND BAR DETAIL

RRU GROUNDING