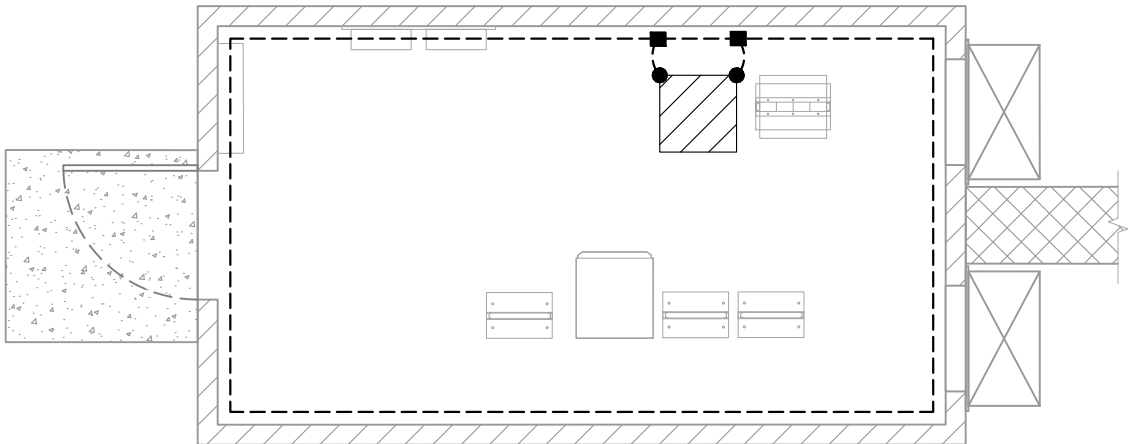


AC POWER PANEL A (EXISTING)										
120/240 VOLTS, 1-PHASE, 3-WIRE, 225A										
MAIN BREAKER RATING (A) :			200		SYSTEM VOLTAGE (V) :			240		DESCRIPTION
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	
RECTIFIER #1	150	c	30/2	1	3400		2		c	3250
	150	c		3		3400	4	50/2	c	3250
RECTIFIER #2	150	c	30/2	5	3400		6		c	3250
	150	c		7		3400	8	50/2	c	3250
RECTIFIER #3	150	nc	30/2	9	1150		10		nc	1000
	150	nc		11		800	12	20/1	nc	650
RECTIFIER #4	150	c	30/2	13	870		14		nc	720
	150	c		15		1050	16	20/1	nc	900
RECTIFIER #5	150	c	30/2	17	450		18		nc	300
	150	c		19		150	20	30/2	nc	0
RECTIFIER #6	150	c	30/2	21	150		22		nc	0
	150	c		23		150	24	30/2	nc	0
RECTIFIER #7	150	c	30/2	25	150		26		nc	0
	150	c		27		150	28			
RECTIFIER #8	150	c	30/2	29	150		30			
	150	c		31		150	32			
RECTIFIER #9	150	c	30/2	33	150		34			
	150	c		35		150	36			
RECTIFIER #10	0	nc	30/2	37	0		38			
	0	nc		39		0	40			
EXTERIOR RECEPTACLE	360	nc	20/1	41	360		42			
PHASE TOTALS (VA):					10230	9400				
PHASE TOTALS (A):					85	78				
CURRENT PER PHASE W/ 125% Continuous Loads (A):					101	94	Amperes/phase cannot exceed main breaker rating			
PANEL TOTAL (VA):					19630		Legend: c = continuous, nc = non-continuous			
PANEL TOTAL W/ 125% Continuous Loads (VA):					23480					

1 EXISTING PANEL SCHEDULE

SCALE: N.T.S.



LEGEND	
	EXOTHERMIC CONNECTION
	MECHANICAL CONNECTION
	ANTENNA GROUND BAR
	MASTER GROUND BAR

3 EQUIPMENT GROUNDING PLAN

SCALE: N.T.S.

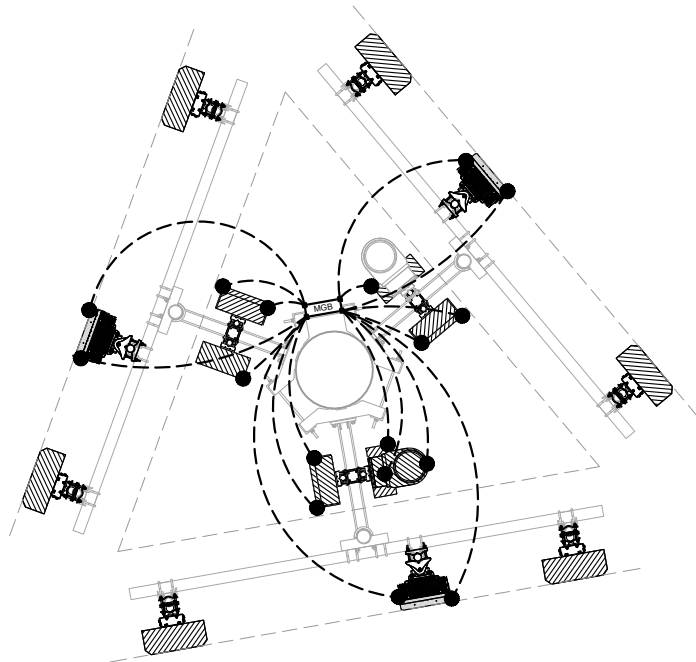


REVIEWED  
FOR  
CODE  
COMPLIANCE  
09/16/2024

AC POWER PANEL A (PROPOSED)										
120/240 VOLTS, 1-PHASE, 3-WIRE, 225A										
MAIN BREAKER RATING (A) :			200		SYSTEM VOLTAGE (V) :			240		DESCRIPTION
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	
VERTIV RECTIFIER 1 & 2	1480	c	30/2	1	4730		2		c	3250
	1480	c		3		4730	4	50/2	c	3250
VERTIV RECTIFIER 3 & 4	1480	c	30/2	5	4730		6		c	3250
	1480	c		7		4730	8	50/2	c	3250
VERTIV RECTIFIER 5 & 6	1480	nc	30/2	9	2480		10		nc	1000
	1480	nc		11		2130	12	20/1	nc	650
VERTIV RECTIFIER 7 & 8	1480	c	30/2	13	2200		14		nc	720
	1480	c		15		2380	16	20/1	nc	900
VERTIV RECTIFIER 9	740	c	30/2	17	1040		18		nc	300
	740	c		19		740	20	30/2	nc	0
SPARE / OFF	0	nc	30/2	21	0		22		nc	0
	0	nc		23		0	24	30/2	nc	0
SPARE / OFF	0	nc	30/2	25	0		26		nc	0
	0	nc		27		0	28			
SPARE / OFF	0	nc	30/2	29	0		30			
	0	nc		31		0	32			
SPARE / OFF	0	nc	30/2	33	0		34			
	0	nc		35		0	36			
SPARE / OFF	0	nc	30/2	37	0		38			
	0	nc		39		0	40			
EXTERIOR RECEPTACLE	360	nc	20/1	41	360		42			
PHASE TOTALS (VA):					15540	14710				
PHASE TOTALS (A):					130	123				
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):					36090					

2 PROPOSED PANEL SCHEDULE

SCALE: N.T.S.



LEGEND	
	EXOTHERMIC CONNECTION
	MECHANICAL CONNECTION
	ANTENNA GROUND BAR
	MASTER GROUND BAR

4 ANTENNA GROUNDING PLAN

SCALE: N.T.S.



PLANS PREPARED BY:



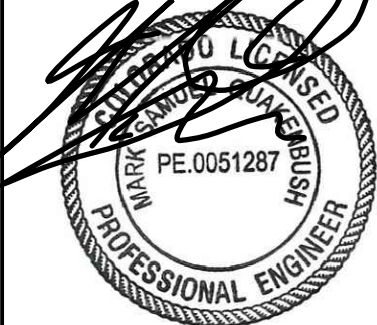
326 TRYON ROAD  
RALEIGH, NC 27603-3530  
OFFICE: (919) 661-6351  
www.tepgroup.net

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	ANM	08/14/24
B	100% CONSTRUCTION	JMH	08/30/24

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, CO 80481

SEAL:



08/30/24

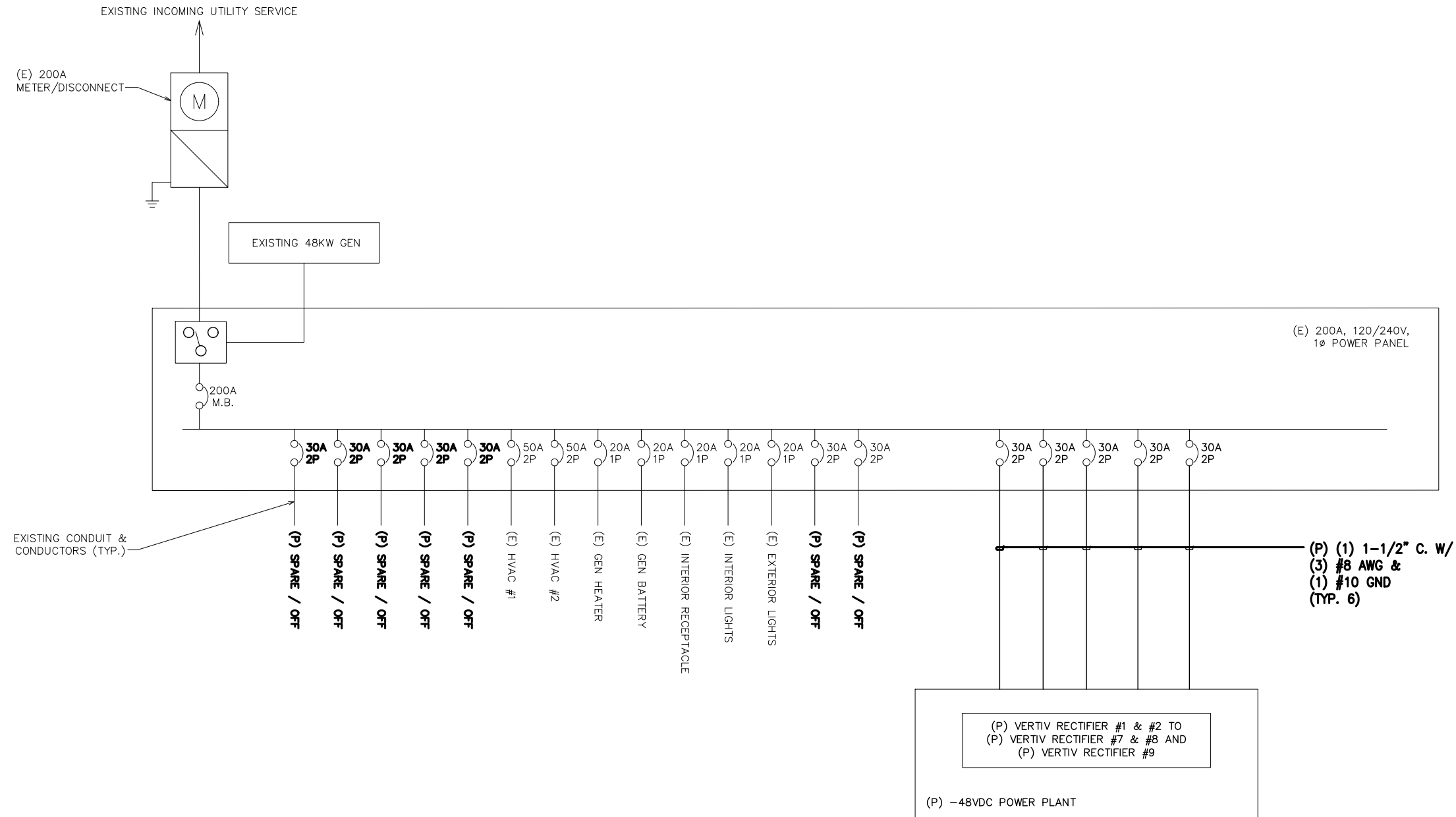


DATE DRAWN:	08/30/24
ATC JOB NO:	14758496
CUSTOMER NAME:	HWY 40 & HWY 131
CUSTOMER ID:	SICO001592

## ELECTRICAL DETAILS

SHEET NUMBER:	REVISION:
E-101	0

REVIEWED  
FOR  
CODE  
COMPLIANCE  
09/16/2024



LEGEND:  
(E) - EXISTING  
(P) - NEW

1 ONE-LINE DIAGRAM  
SCALE: N.T.S.



PLANS PREPARED BY:

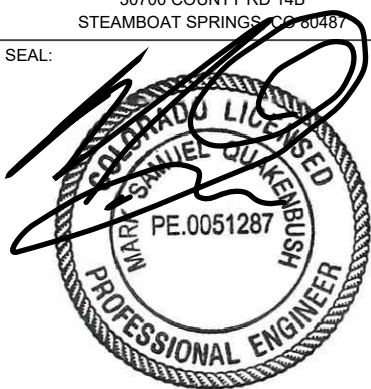


326 TRYON ROAD  
RALEIGH, NC 27603-3530  
OFFICE: (919) 661-6351  
www.tepgroup.net

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	ANM	08/14/24
0	100% CONSTRUCTION	JMH	08/30/24

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, CO 80487

SEAL:



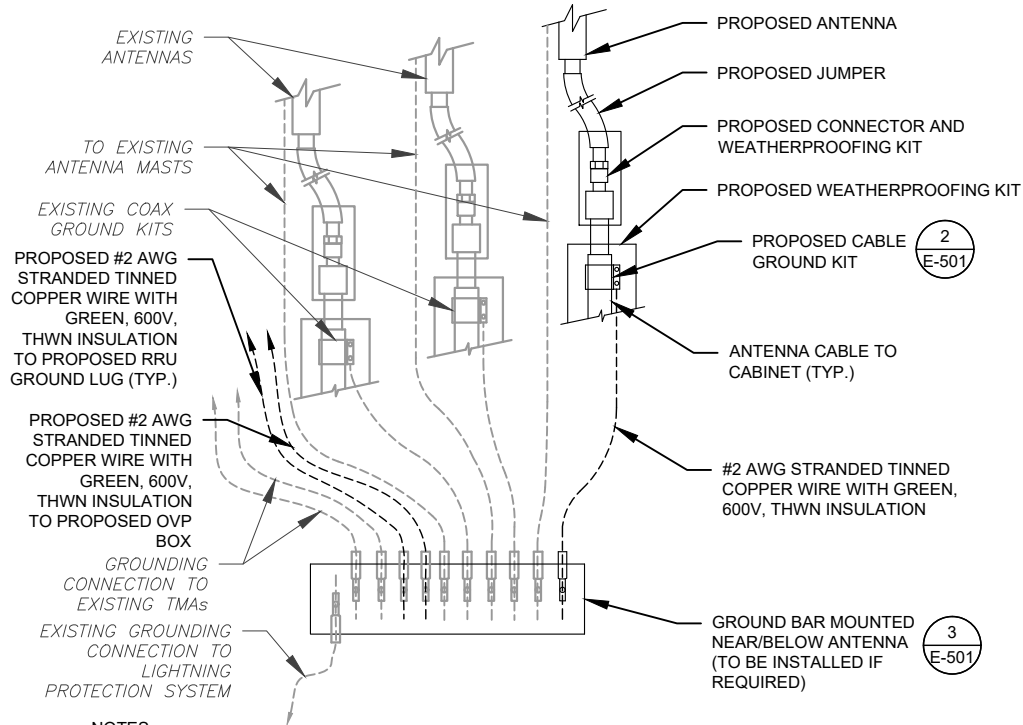
08/30/24



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

## ELECTRICAL DETAILS

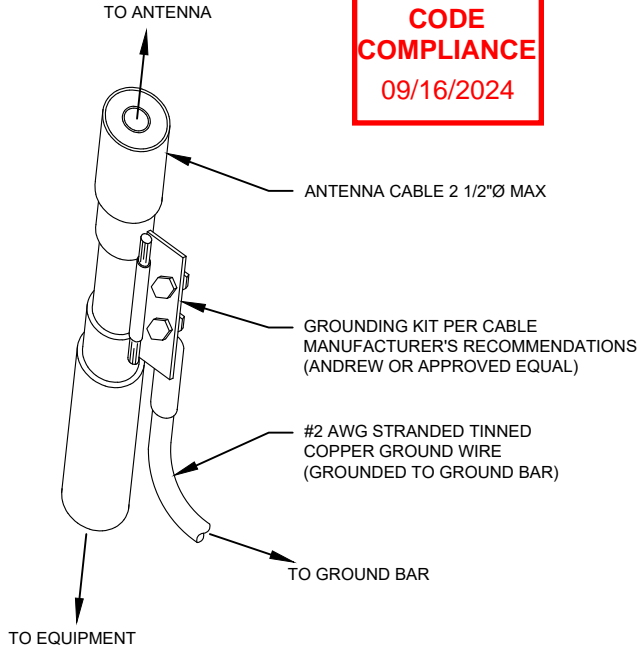
SHEET NUMBER:	REVISION:
E-102	0



NOTES:

- 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.
- 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.

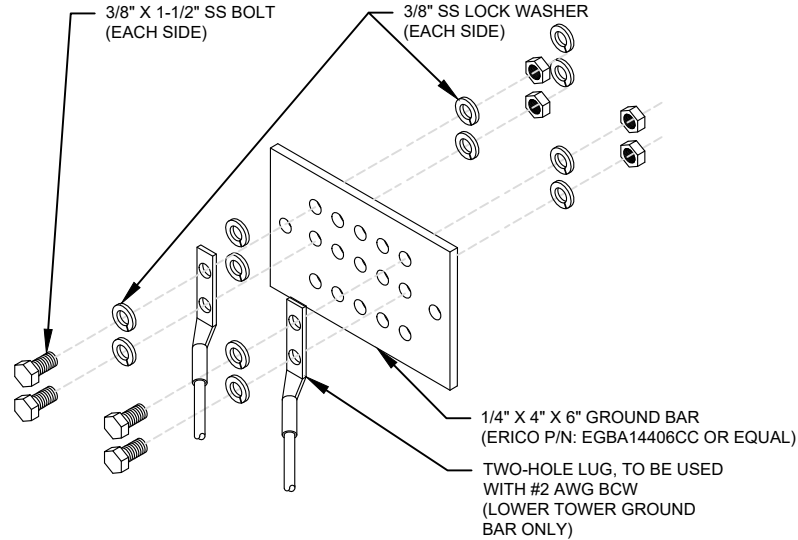
1 TYPICAL ANTENNA GROUNDING DIAGRAM  
SCALE: N.T.S.



GROUND KIT NOTES:

- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

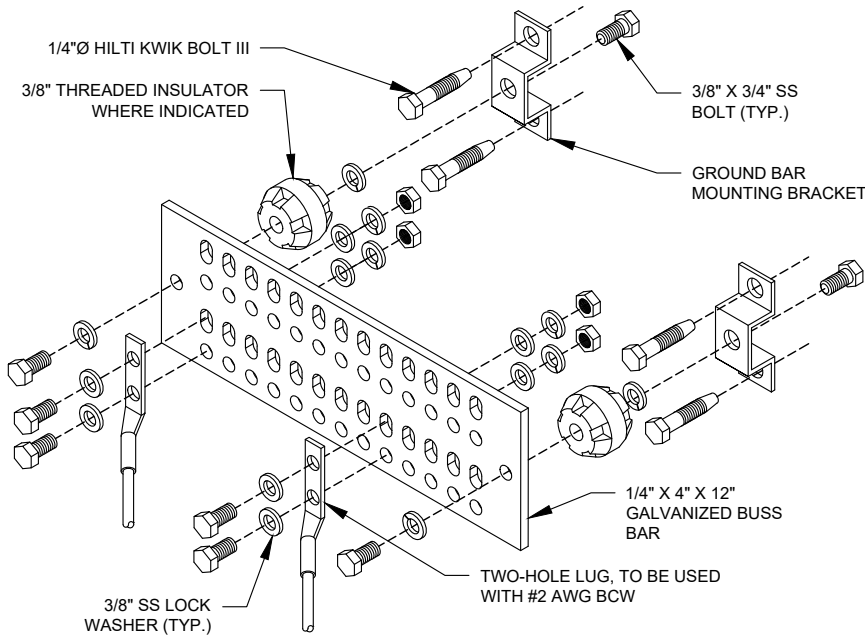
2 CABLE GROUND KIT CONNECTION DETAIL  
SCALE: N.T.S.



GROUND BAR NOTES:

- GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
- GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

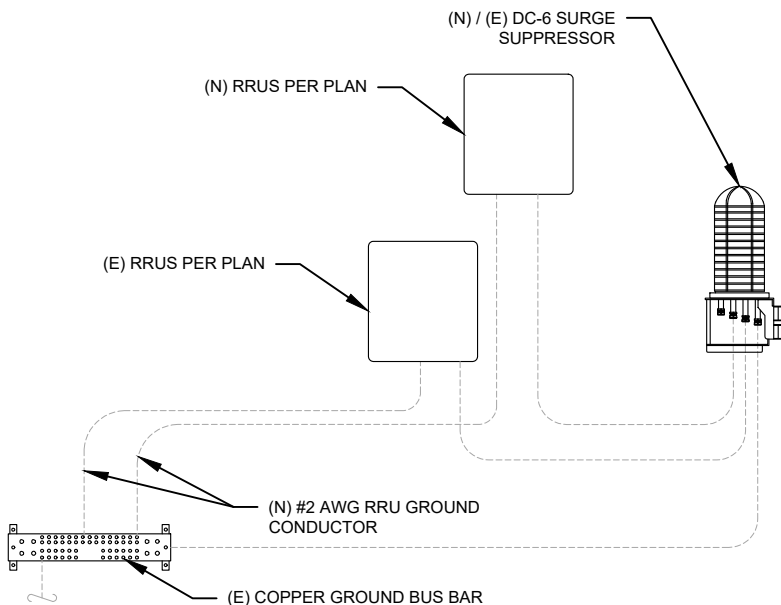
3 TOWER GROUND BAR DETAIL  
SCALE: N.T.S.



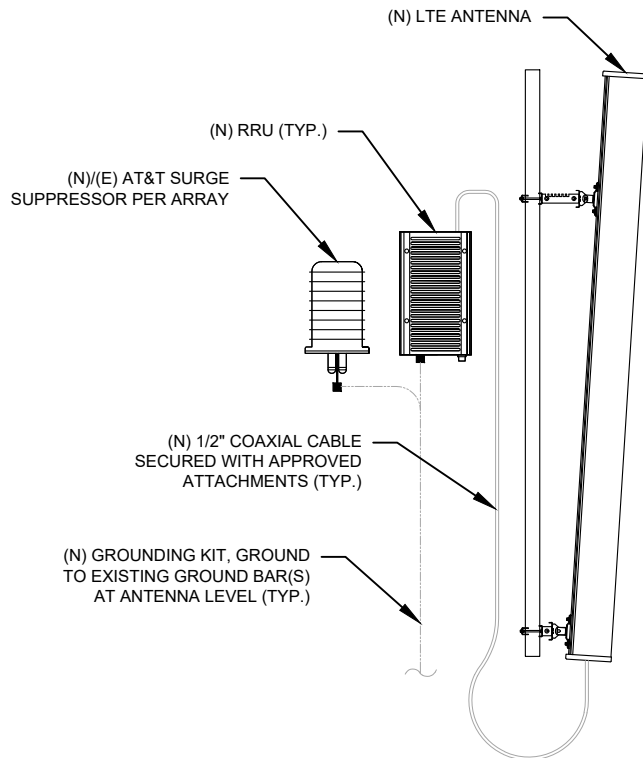
GROUND BAR NOTES

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

4 MAIN GROUND BAR DETAIL  
SCALE: N.T.S.



5 RRU GROUNDING  
SCALE: N.T.S.



6 ANTENNA/RRU GROUNDING  
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
A	PRELIMINARY	ANM	08/14/24
B	100% CONSTRUCTION	JMH	08/30/24

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, CO 80487

SEAL:



08/30/24



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

GROUNDING DETAILS

SHEET NUMBER:

E-501

REVISION:

0