

AT&T MOBILITY ANTENNA AMENDMENT PLAN

AMERICAN TOWER®

ATC SITE NAME: HWY 40 AND HWY 131 ATC SITE NUMBER: 205626 AT&T MOBILITY PACE NUMBER: MRUTH051808 (LTE 5C), MRUTH051835 (4TX4RX SOFTWARE RETROFIT), MRUTH051809 (5G NR SOFTWARE UPGRADE), MRUTH051810 (LTE 3C), MRUTH051811 (LTE 4C) AT&T MOBILITY SITE ID: COL04213 AT&T MOBILITY FA CODE: 14095953 AT&T MOBILITY SITE NAME: HWY 40 & HWY 131 SITE ADDRESS: 30700 CR 14B STEAMBOAT SPRINGS, CO 80487



COMPLIANCE CODE	PROJECT SL	JMMARY	PROJECT DESCRIPTION		SHEET INDEX	
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE	30700 CR 14B STEAMBOAT SPRINGS, CO 80487 COUNTY: ROUTT <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 40.34122 LONGITUDE: -106.85385		THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: <u>TOWER WORK</u> : REMOVE (3) ANTENNA(S) AND (6) RRH(s). INSTALL (3) ANTENNA(S), (3) STANDOFF ARM MAST(S), AND (6) RRH(s).	SHEET NO:	DESCRIPTION:	
FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS				G-001	TITLE SHEET	
TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.				G-002	GENERAL NOTES	
 2021 INTERNATIONAL BUILDING CODE (IBC) 2020 NATIONAL ELECTRIC CODE (NEC) LOCAL BUILDING CODE CITY/COUNTY ORDINANCES 				C-001	OVERALL SITE PLAN	
			EXISTING (6) ANTENNA(S), (3) TMA(S), (1) SQUID(S), (6) 7/8" COAX CABLE(S), (1) 0.39" FIBER TRUNK(S), AND (2) 0.78" 8 AWG 6 DC	C-101	DETAILED SITE PLAN	
			TRUNK(S) TO REMAIN.	C-102	DETAILED EQUIPMENT LAYOUT	
			GROUND WORK: REMOVE (1) +24VDC INDOOR POWER PLANT(S), (1) BATTERY	C-201	TOWER ELEVATION	
		RACK(S), (6) RECTIFIER(S), AI		C-401	RF SCHEDULE AND ANTENNA INSTALLATION	
	PROJECT TEAM		INSTALL (1) VERTIV NETSURE 7100 -48VDC POWER PLANT(S), (1) VERTIV NETSURE BATTERY RACK(S), (6) EA. HE 2KW -48VDC RECTIFIER(S), (2) 25A FSM4 5GNR BREAKER(S), (3) 50A AHFIB BREAKER(S), AND (3) 50A AHLBBA BREAKER(S).	C-501	CONSTRUCTION DETAILS	
				E-101	ELECTRICAL DETAILS	
				E-102	ONE LINE DIAGRAM	
	TOWER OWNER:	APPLICANT:		E-501	GROUNDING DETAILS	
	AMERICAN TOWER	AT&T MOBILITY		R-601	SUPPLEMENTAL	
	10 PRESIDENTIAL WAY WOBURN, MA 01801	7670 S CHESTER ST CENTENNIAL, CO 80112		R-602	SUPPLEMENTAL	
UTILITY COMPANIES	ENGINEER:	PROPERTY OWNER:		R-603	SUPPLEMENTAL	
POWER COMPANY: YAMPA VALLEY ELECTRIC ASSOCIATION INC	TOWER ENGINEERING	NEISH, WILLIAM EDWARD	PROJECT NOTES	R-604	SUPPLEMENTAL	
PHONE: (970) 879-1160	PROFESSIONALS 326 TRYON ROAD	30700 CR 14B STEAMBOAT SPRINGS, CO	1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A	R-605	SUPPLEMENTAL	
TELEPHONE COMPANY: CENTURYLINK PHONE: (866) 642-0444	RALEIGH, NC 27603-3530	80487-9623	MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.	R-606	SUPPLEMENTAL	
077	PROJECT LOCATIO	N DIRECTIONS	DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL	R-607	SUPPLEMENTAL	
			IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.			
	FROM THE SOUTH END OF STEAM TURN LEFT ONTO CO-131 SOUTH		THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED			
	MILES, TURN LEFT ONTO CO RD 14 ONTO CO RD 14B FOR .7 MILES, 7		REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE			
Know what's below.	BLACKTAIL 200 SITE WILL BE AT T TO THE LEFT OF THE BUILD	THE TOP OF THE HILL, STAY	COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL			
Call before you dig.			CHANGE UNDER CFR § 1.61000 (B)(7).			

SITE LO			AMERICAN TOWER® AMERICAN TOWER® TOWER AMEERING PROFISSIONALS 32 TRYON ROAD RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net
	REVII FC CO	EWED DR DE LIANCE	AT&T MOBILITY SITE NAME: HWY 40 & HWY 131
REV:	DATE:	BY:	SITE ADDRESS: 30700 CR 14B STEAMBOAT SPRINGS, CO 80487
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			AT&T
			DATE DRAWN: 07/28/22
			ATC JOB NO: 14095953 CUSTOMER NAME: HWY 40 & HWY 131
			CUSTOMER ID: COL04213
			TITLE SHEET
			SHEET NUMBER: REVISION:
			G-001 1

GENERAL CONSTRUCTION NOTES:

OWNER FURNISHED MATERIALS, AT&T MOBILITY "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL

- A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
- AC/TELCO INTERFACE BOX (PPC)
- ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
- D. TOWERS, MONOPOLES
- TOWER LIGHTING GENERATORS & LIQUID PROPANE TANK
- ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
- ANTENNAS (INSTALLED BY OTHERS)
- TRANSMISSION LINE
- TRANSMISSION LINE JUMPERS
- TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
- TRANSMISSION LINE GROUND KITS
- HANGERS
- HOISTING GRIPS O. BTS EQUIPMENT
- 2 THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF AT&T MOBILITY TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS
- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS
- CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS 7
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS 8
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION 9. SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR
- CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED 10. FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES. GROUNDS 11. DRAINS, DRAIN PIPES, VENTS, ETC, BEFORE COMMENCING WORK
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE AT&T MOBILITY REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL 12. ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE AT&T MOBILITY REP PRIOR TO PROCEEDING
- EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T MOBILITY REP, AND 13. COORDINATE HIS WORK WITH THE WORK OF OTHERS
- 14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE AT&T MOBILITY CONSTRUCTION MANAGER.
- 15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT
- WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, 16. CONTRACTOR SHALL NOTIFY THE AT&T MOBILITY REP AND ENGINEER OF RECORD
- 17.
- CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF 18. FACH DAY
- 19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH AT&T MOBILITY AND AMERICAN TOWER CORPORATION 20. (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK

PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS

PROVIDED

22 PRIOR TO SUBMISSION OF BID. CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY AT&T MOBILITY MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTO

23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY SPECIFICATIONS AND REQUIREMENTS

CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T MOBILITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

25 ALL FOUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T MOBILITY SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.

26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT

27 CONTRACTOR SHALL NOTICY AT&T MOBILITY, REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY VIDDERGROUND UTLITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND

28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING BARRIERS ETC.

THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES. FITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.

30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE AT&T MOBILITY REP. ANY WORK FOUND BY THE AT&T MOBILITY REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.

31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED

32. AT&T MOBILITY FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE AT&T MOBILITY WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP

AT&T MOBILITY OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH. IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO AT&T MOBILITY OR THEIR ARCHITECT/ENGINEER

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

WORK INCLUDED

B.

A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY AT&T MOBILITY UNDER A SEPARATE CONTRACT, THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL

- INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND AT&T MOBILITY SPECIFICATIONS
- C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
- INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE. D.

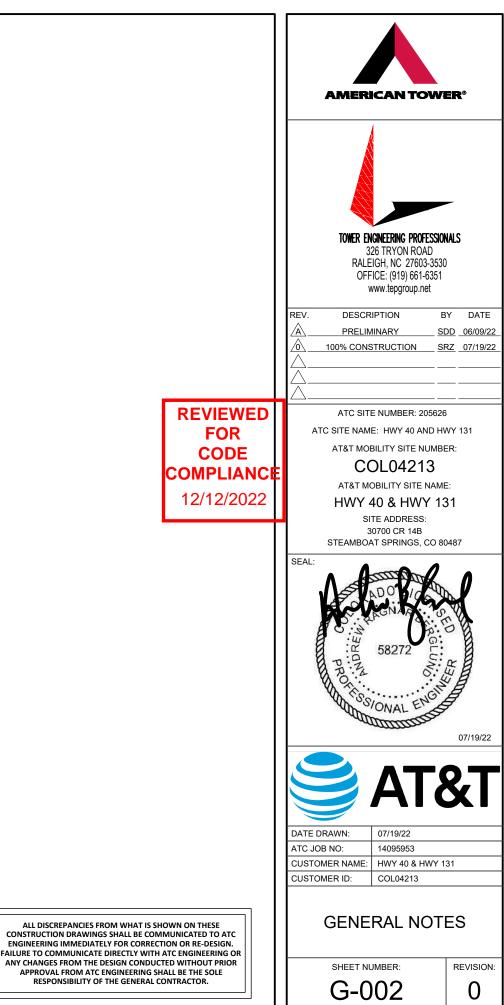
E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.

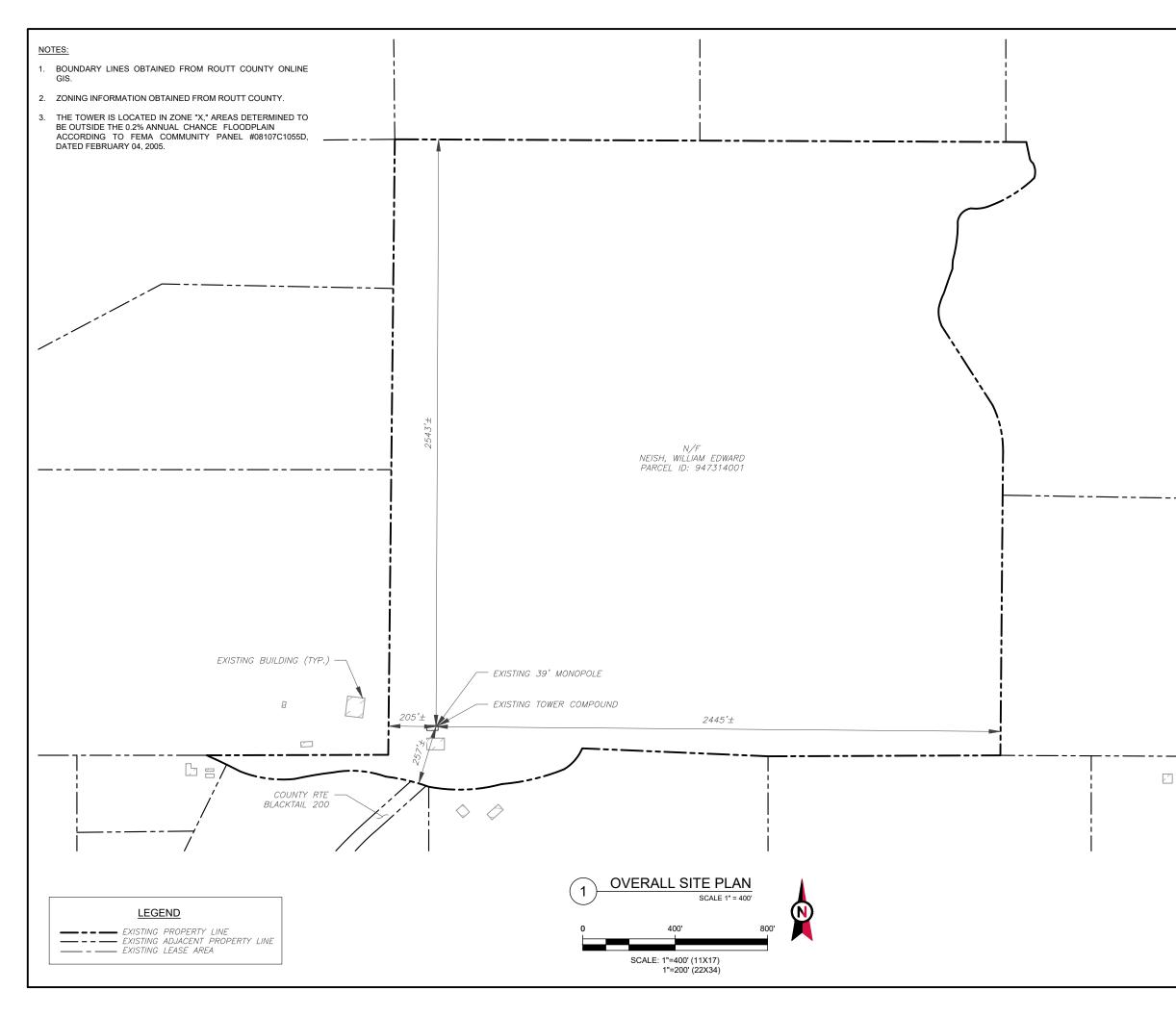
> E INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND FOUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS, TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.

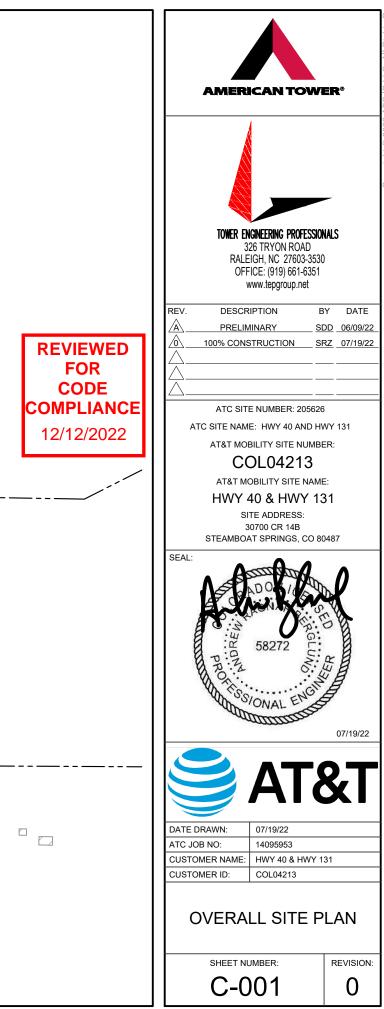
G. ANTENNA AND COAXIAL CABLE GROUNDING:

ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL

ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)







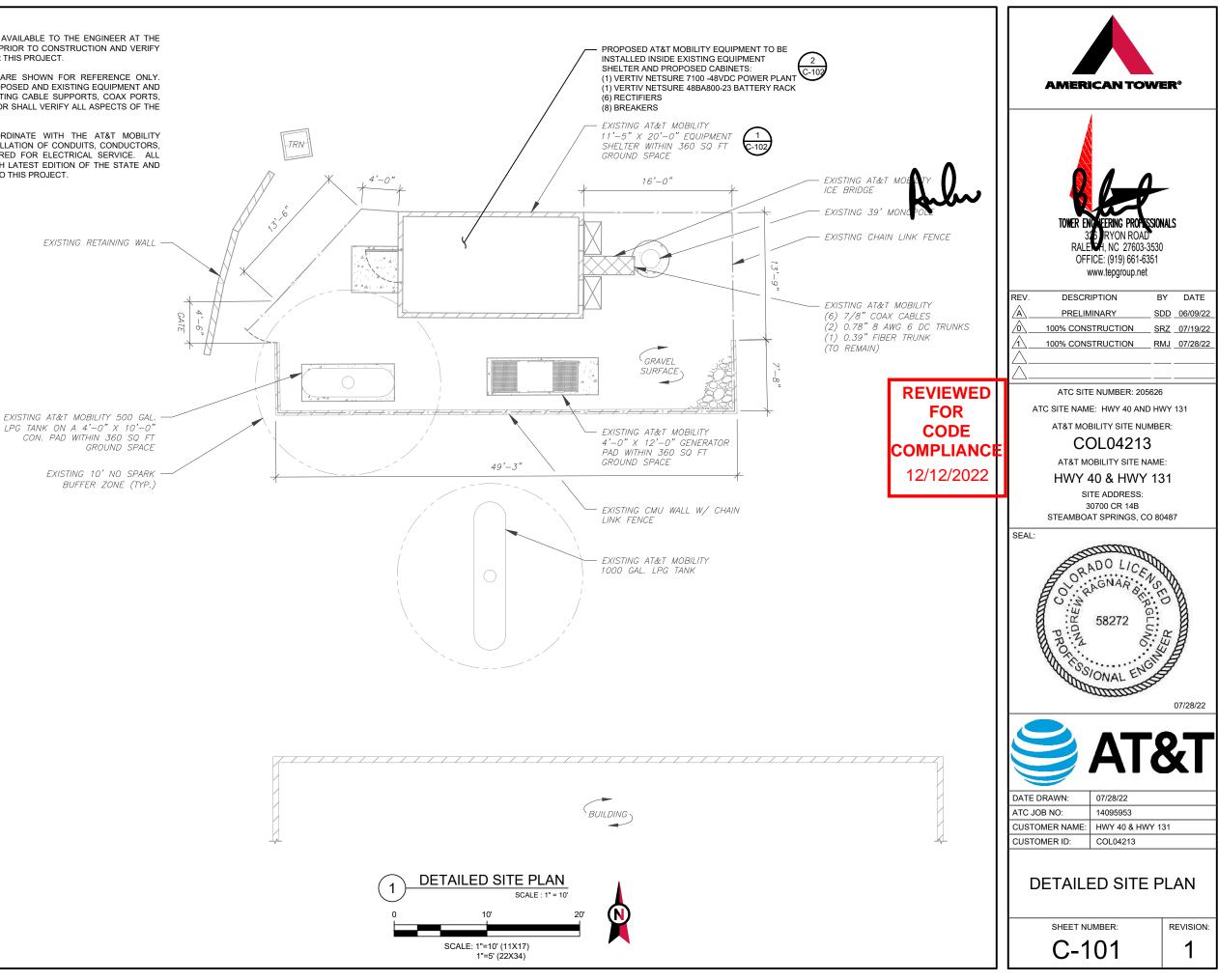
SITE PLAN NOTES:

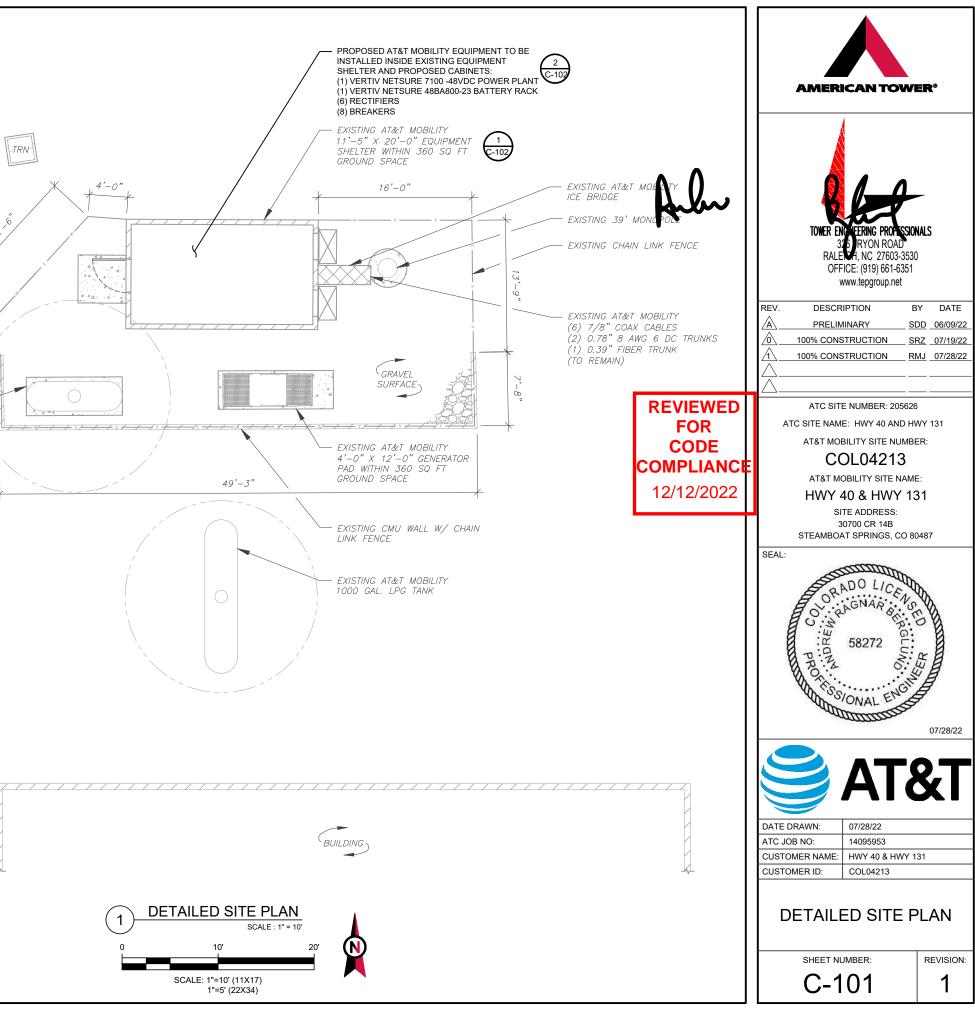
- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
- ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. 2. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE AT&T MOBILITY 3 REPRESENTATIVE AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.

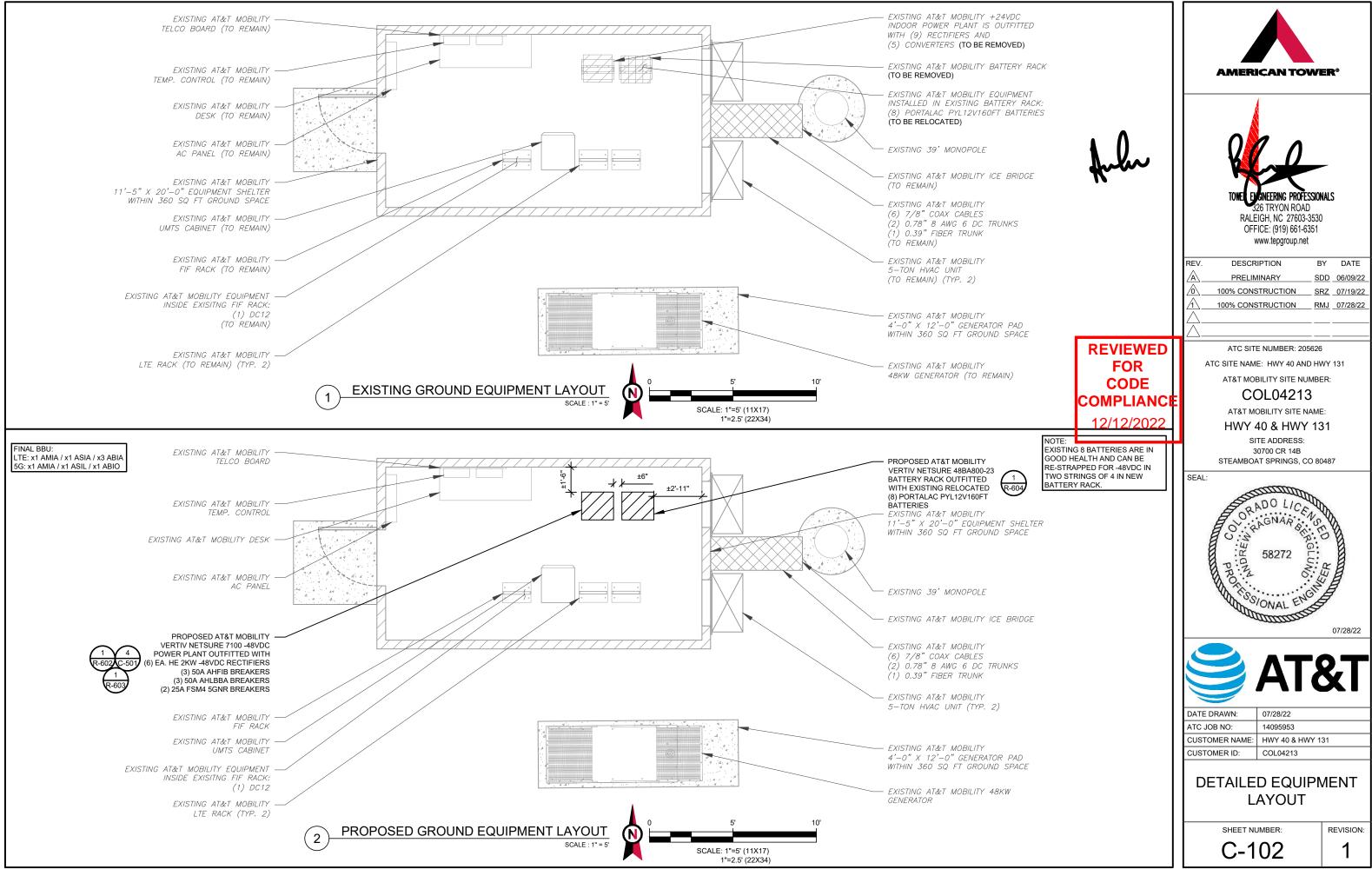
	LEGEND
S ATS B CSC D E F GEN G HH, V IB K LC M PB F T TRN	LEGEND GROUNDING TEST WELL AUTOMATIC TRANSFER SWITCH BOLLARD CELL SITE CABINET DISCONNECT ELECTRICAL FIBER GENERATOR GENERATOR GENERATOR GENERATOR GENERATOR GENERATOR GENERATOR GENERATOR HAND HOLE, VAULT ICE BRIDGE KENTROX BOX LIGHTING CONTROL METER PULL BOX POWER POLE TELCO TRANSFORMER
x	CHAINLINK FENCE

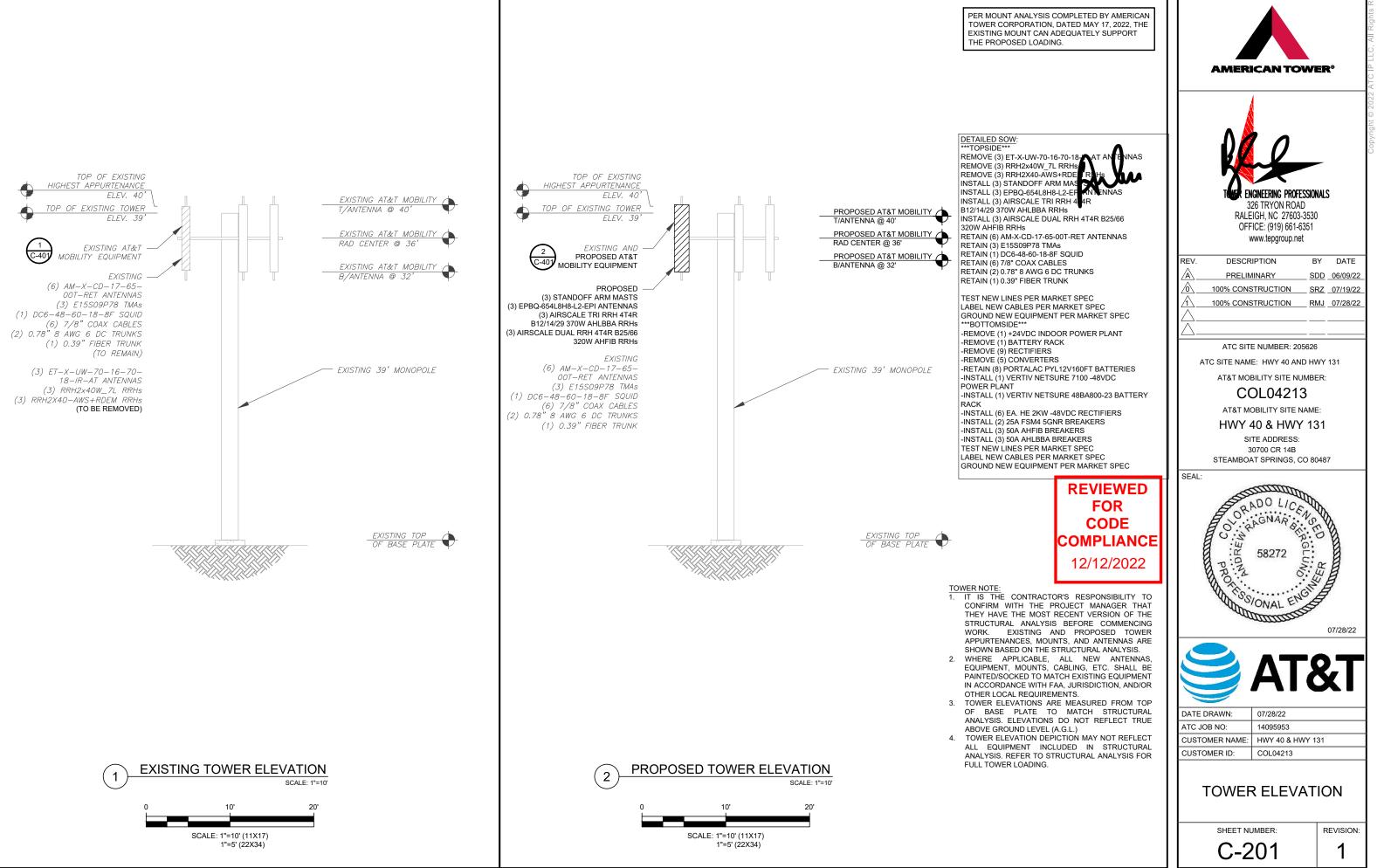
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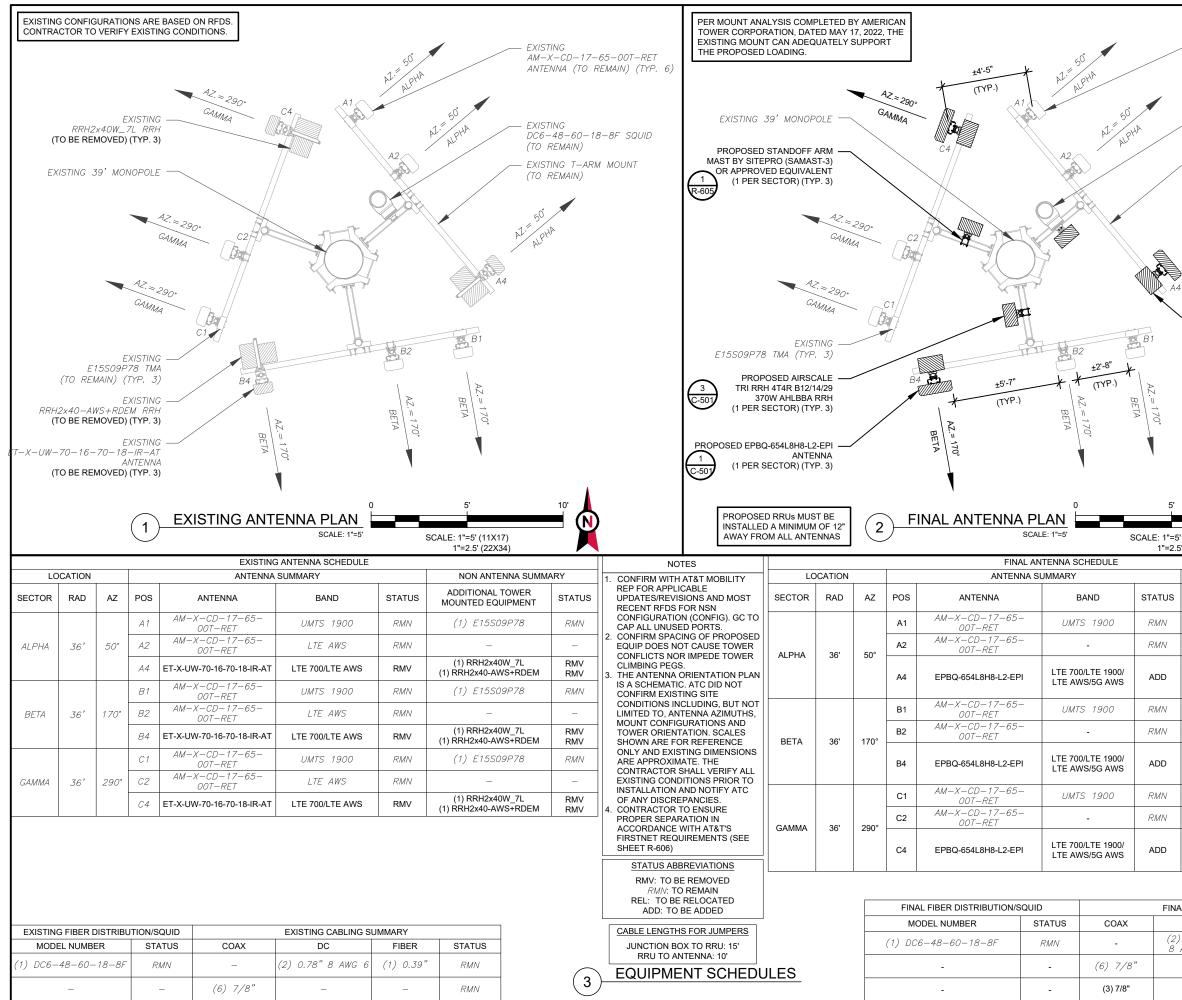
- REPLACE EXISTING INDOOR POWER PLANT WITH NEW VERTIV NETSURE -48VDC POWER SYSTEM: INSTALL (1) NEW VERTIV NETSURE 7100 -48VDC POWER PLANT OUTFITTED WITH (6) EA. HE 2KW -48VDC RECTIFIERS.
- THERE IS (1) EXISTING GENERATOR; SITE REQUIRES A MINIMUM OF 32KW OF GENERATOR CAPACITY. EXISTING GENERATOR SIZE AND CAPACITY TO BE VERIFIED PRIOR TO DETERMINING SUFFICIENCY.
- (3) 50A BREAKER FOR AHFIB 3
- (3) 50A BREAKER FOR AHLBBA 4
- (2) 25A BREAKER FOR FSM4 5GNR 5.
- EXISTING (8) EXISTING PORTAL AC PYL 12V160ET 6. BATTERIES ARE IN GOOD HEALTH AND CAN BE RE-STRAPPED FOR -48VDC IN TWO STRINGS OF 4 IN A NEW BATTERY RACK.



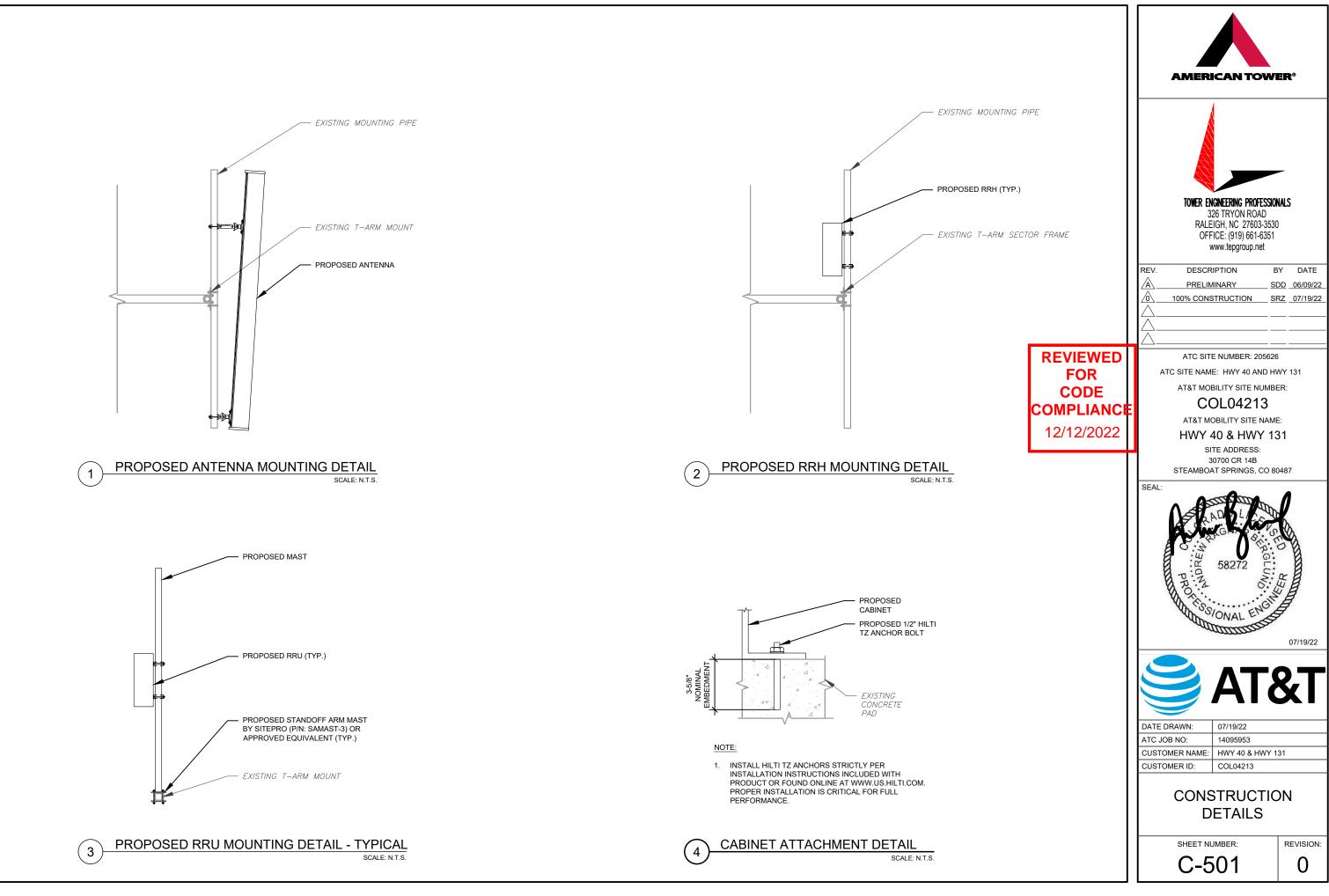








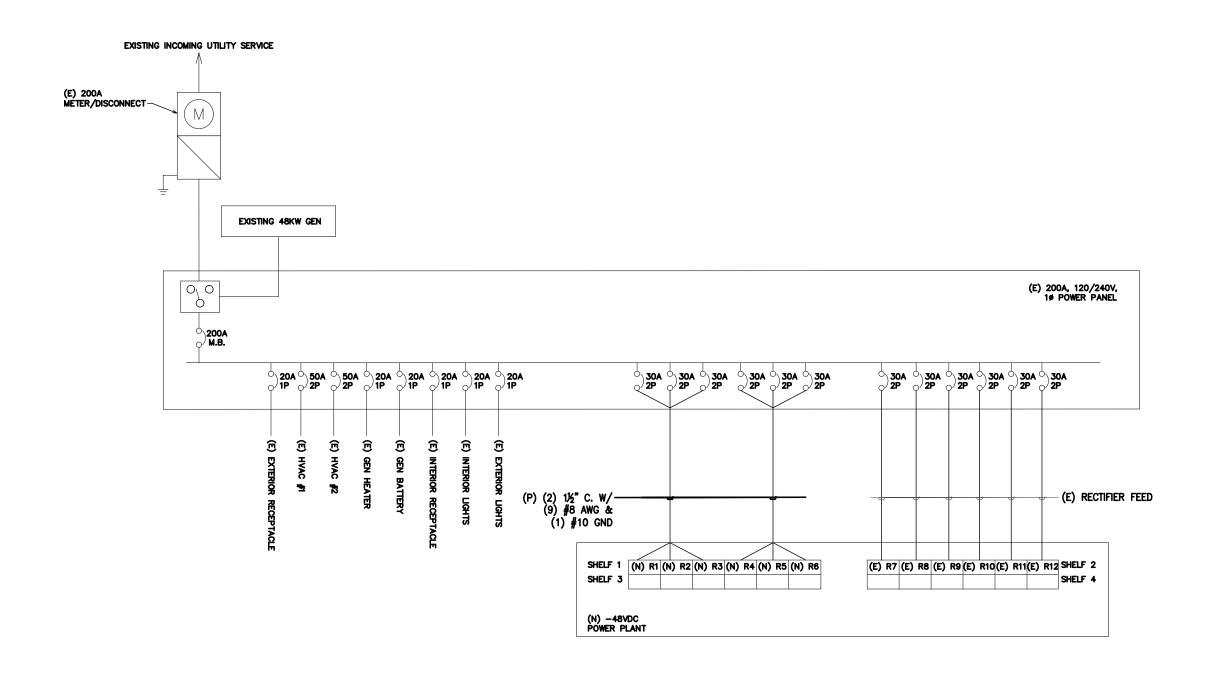
	3 CD—17—65—00 A (TYP. 6)	DT-RET	AMERICAN TOW	ER®
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AZ. 50°			TOWER ENGINEERING PROFESSIO 326 TRYON ROAD RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net	
			REV. DESCRIPTION E	BY DATE
	ED AIRSCALE RH 4T4R B25/66	(2)		DD 06/09/22
320W AH	IFIB RRH	C-501	100% CONSTRUCTION S	RZ 07/19/22
(1 PER S	ECTOR) (TYP. 3	, –		
	DEV	EWED	ATC SITE NUMBER: 205626	
			ATC SITE NOMBER. 200020	
		OR	ATC SITE NAME: HWY 40 AND H	
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	СОМР	LIANCE		F.
	12/13	2/2022	AT&T MOBILITY SITE NAM HWY 40 & HWY 13	
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	(N) i	SITE ADDRESS: 30700 CR 14B	
5' (11X17) 5' (22X34)			STEAMBOAT SPRINGS, CO 8	0487
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(1) AIRSC 4T4R B25/	370W AHLBBA ALE DUAL RRH 66 320W AHFIB	ADD	ORTSSIONAL ENGL	Į
(1) E	15S09P78	RMN	Contractory .	
	- E TRI RRH 4T4F	- R ADD		07/19/22
(1) AIRSC	370W AHLBBA ALE DUAL RRH 66 320W AHFIB	ADD		R'L
	15S09P78	RMN		XI
	-	-	DATE DRAWN: 07/19/22	
	E TRI RRH 4T4F 370W AHLBBA	ADD	ATC JOB NO: 14095953	•
(1) AIRSC	ALE DUAL RRH 66 320W AHFIB	ADD	CUSTOMER NAME: HWY 40 & HWY 1	31
1 .141(020)			CUSTOMER ID: COL04213	
			RF SCHEDULE A	
AL CABLING S		OTATUO	ANTENNA INSTALL	
DC) 0.78"	FIBER (1) 0.39"	STATUS		A I UN
AWG 6	-	RMN	SHEET NUMBER:	REVISION:
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*NOTE: (6) PROPOSED RECTIFIER(S) TO BE CONNECTED TO EXISTING RECTIFIER BREAKERS FOR A TOTAL OF (6) RECTIFIER FEEDS. CONTRACTOR TO VERIFY EXISTING RECTIFIER BREAKER CONFIGURATION ALLOWS FOR MULTIPLE RECTIFIER CONNECTIONS AND TO NOTIFY TEP FOR CORRECTIVE ACTION IF THERE ARE ANY DISCREPANCIES. AC POWER PANEL A (EXISTING) 120/240 VOLTS, 1-PHASE, 3-WIRE, 200A AC POWER PANEL A (PROPOSED) MAIN BREAKER RATING (A) SYSTEM VOLTAGE (V) : 200 240 DESCRIPTION POSN BKR c/nc VA DESCRIPTION 120/240 VOLTS, 1-PHASE, 3-WIRE, 200A VA c/nc BKR POSN 11 12 MAIN BREAKER RATING (A) : 200 SYSTEM VOLTAGE (V): 365 C 1 3615 2 c 3250 50/2 **RECTIFIER #1** 30/2 HVAC #1 POSN BKR c/nc DESCRIPTION VA c/nc BKR POSN 11 12 365 3 3615 c 3250 C 4 440 3690 2 5 ★ RECTIFIER #1 С 30/2 50/2 365 C 3615 c 3250 6 440 **RECTIFIER #2** 30/2 50/2 HVAC #2 3690 4 365 C 7 3615 8 c 3250 440 3690 6 **RECTIFIER** #2 30/2 50/2 1000 20/1 nc 1000 GEN HEATER 10 0 C 9 440 3690 8 RECTIFIER #3 / OFF 30/2 440 20/1 0 C 11 650 12 20/1 nc 650 GEN BATTERY 1440 10 RECTIFIER #3 30/2 365 c 13 1085 14 20/1 nc 720 INTERIOR RECEPTACLE 440 11 1090 12 20/1 **RECTIFIER #4** 30/2 440 13 1160 14 20/1 INTERIOR LIGHTS RECTIFIER #4 365 c 15 20/1 nc 300 665 16 30/2 440 15 740 16 20/1 365 C 17 665 18 20/1 nc 300 EXTERIOR LIGHTS **RECTIFIER #5** 30/2 440 740 17 18 20/1 RECTIFIER #5 19 365 30/2 365 c 20 c 0 440 30/2 19 440 20 **RECTIFER #11** C 30/2 365 365 C 21 22 c 0 440 21 440 22 **RECTIFIER #6** 30/2 С ★ RECTIFIER #6 C 30/2 365 23 365 24 0 C c 440 440 23 24 30/2 RECTIFER #12 30/2 365 365 c 25 26 С 0 0 26 0 25 C **RECTIFIER #7** 30/2 **RECTIFIER #7** 30/2 0 365 c 27 365 28 **BI ANK** 0 28 C 0 29 30 0 365 365 30 BLANK C C C 29 **RECTIFIER #8** 30/2 **RECTIFIER #8** 30/2 0 0 32 31 365 c 31 365 32 BLANK С 0 33 0 34 C **RECTIFIER #9** 30/2 365 c 33 365 34 BLANK 30/2 0 35 36 **RECTIFIER #9** 365 35 365 BLANK 36 c 0 37 38 0 С RECTIFIER #10 30/2 365 c 37 365 38 **BLANK** 0 39 0 40 **RECTIFIER #10** 30/2 20/1 EXTERIOR RECEPTACLE 365 c 39 365 40 BLANK 720 41 720 42 EXTERIOR RECEPTACLE 720 nc 20/1 41 PHASE TOTALS (VA): 11880 10090 720 42 BLANK PHASE TOTALS (A): 99 84 PHASE TOTALS (VA): 12525 10735 CURRENT PER PHASE W/ 125% Continuous Loads(A): 124 105 Amperes/phase cannot exceed PHASE TOTALS (A): 104 PANEL TOTAL (VA): 21970 Legend: c = cont CURRENT PER PHASE W/ 125% Continuous Loads(A): 125 110 Amperes/phase cannot exceed main breaker rating 27463 PANEL TOTAL W/ 125% Continuous Loads (VA): PANEL TOTAL (VA): 23260 Legend: c = continuous, nc = non-continuous PANEL TOTAL W/ 125% Continuous Loads (VA): 28153 **EXISTING AC PANEL** PROPOSED AC PANEL 2 1 SCALE: N.T.S. SCALE: N.T.S. Dat L______ B _____ LEGEND LEGEND EXOTHERMIC CONNECTION EXOTHERMIC CONNECTION . . MECHANICAL CONNECTION MECHANICAL CONNECTION EQUIPMENT GROUNDING PLAN ANTENNA GROUNDING PLAN ANTENNA GROUND BAR ANTENNA GROUND BAR 3 4 MGB MASTER GROUND BAR SCALE: N.T.S. MGB MASTER GROUND BAR SCALE: N.T.S.

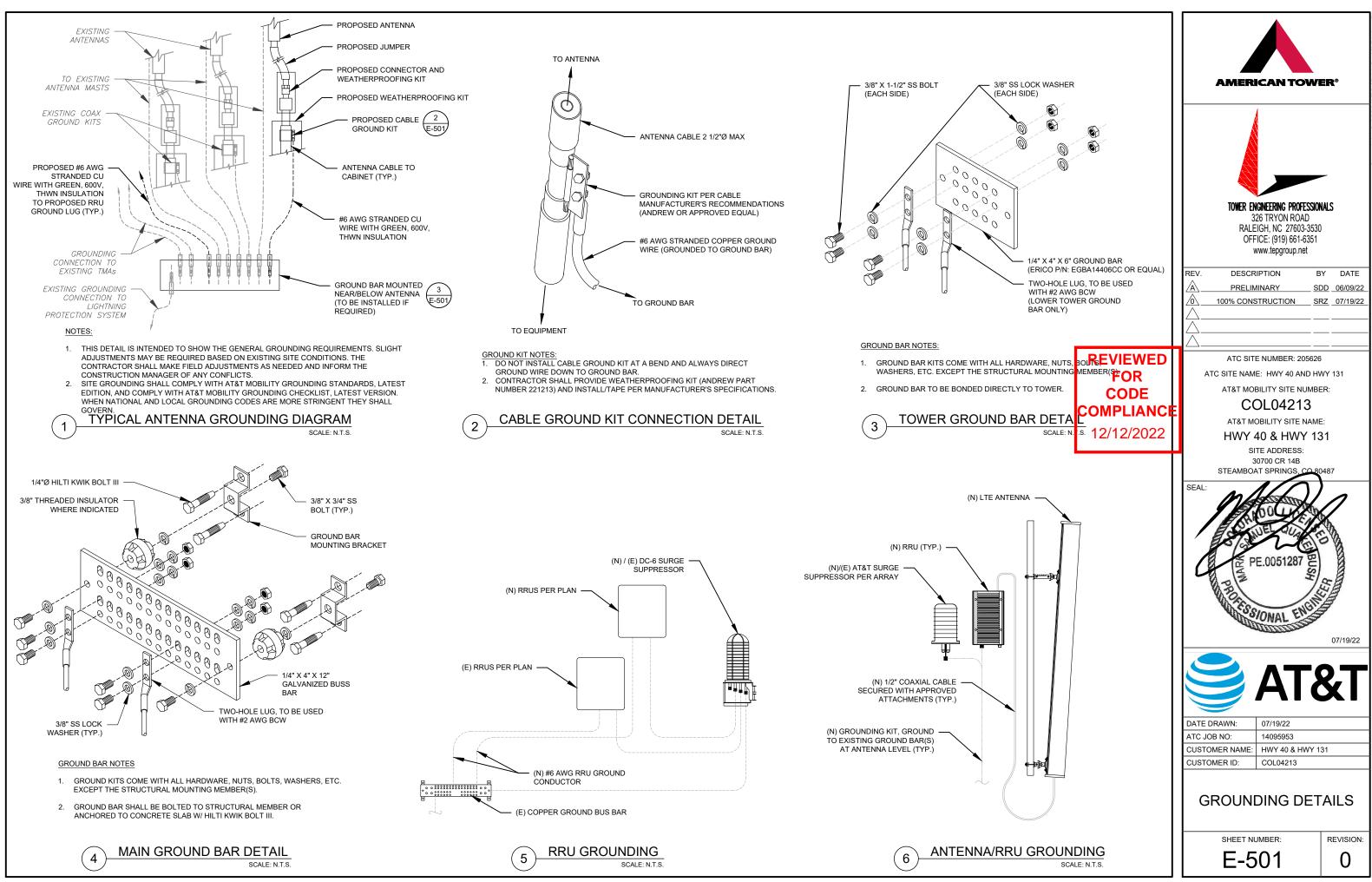
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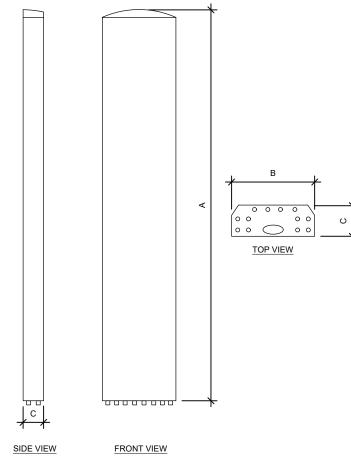
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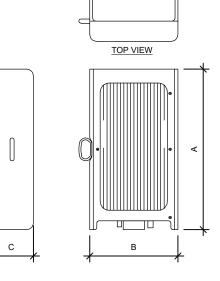






SIDE VIEW

ANTENNA SPECIFICATIONS					
ANTENNA MODEL	А	В	С	WEIGHT (LBS)	
EPBQ-654L8H8-L2-EPI	96.0"	21.0"	6.3"	83.8	



SIDE VIEW

FRONT VIEW

RRU SPECIFICATIONS						
RRU MODEL	A	В	С	WEIGHT (LBS)		
AIRSCALE TRI RRH 4T4R B12/14/29 370W AHLBBA	24.0"	14.1"	7.8"	94.8		
AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB	28.7"	15.4"	9.4"	88.2		



SCALE: N.T.S.

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		Copyright © 2022 ATC IP LLC, All Rights Reserved
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	SHEET NUMBER: R-601	REVISION:

NETSURE[™] 7100 SERIES

DC Power System

VERTIV.

NETSURE[™] 7100 SERIES

KEY FEATURES

- Indoor seismic Zone 4 rated enclosure option, 84"H x 28"W x 28"D
- High Efficiency 96.5% efficient eSure rectifiers ensure optimized total cost of ownership
- Modular Design simple to install and operate; allows incremental cost-effective system growth
- Advanced Controller offers battery management, site monitoring and configuration management
- Multiple AC Input Configurations - single or three phase input from 208 to 277/480 VAC
- Remote Access Supports HTTPS with multiple browsers. network element management via Modbus or SNMP (v2 or v3)
- Dual Port Option allows permanent Ethernet connection with DHCP and automatically converts the front access port to the default IP user access Ethernet port
- Front Accessible allows for easy installation, additions and maintenance
- Safety Compliance NEBS Level 3 certified; UL Listed to UL subject 1801
- New ultra-high density 3500 watt rectifiers provide 438 amps in 1RU of rack space, up to 2500 amps per bay.

Versatile DC power solution with high efficiency eSure™ rectifiers and converters, modular distribution, and advanced control and monitoring accepts single or three-phase input up to 277/480 VAC.

Description

The modular NetSure™ 7100 Series power system with 3500 watt or 2000 watt rectifiers and 1500 watt DC to DC converters provides up to 4000 amps of current for -48 volt systems with up to 520 amps at +24 volts. The basic components of the power system include the NetSure Control Unit (NCU), module mounting shelf assemblies which house the rectifiers and converters, and a modular distribution cabinet.

The NetSure 7100 power system contains a powerful, microprocessor-based control system capable of monitoring and controlling up to 60 rectifiers and converters. The NCU controller provides a full color LCD display, which can be activated at the touch of a keypad.

Each shelf can accommodate up to six plug'n'play rectifiers, which are controlled by the NCU. Additional shelves can be added as load requirements increase. The 2000 watt rectifiers and 1500 watt -48 VDC to +24 VDC converters are housed in shelves that occupy 1 RU. Each shelf accommodates rectifiers in all six positions and converters in three positions.

The NetSure 7100 can be expanded to up to three distribution bays for a total capacity of 4000 amps and up to twelve distribution panels. Each NetSure 7100 distribution cabinet is modular by row and position.



High-Efficiency eSure Rectifiers R48-3500e3 (left) R48-3500e (center) & R48-2000e3 (right)



NetSure 7100

Four distinct distribution cabinet sizes are available to accommodate from one to four distribution panels. This allows the system to be configured in relay racks of various heights for installation in low-profile sites or atop batteries or other equipment to make more effective use of floor space. Several distribution panels are available offering different combinations of distribution positions, low voltage disconnect and battery disconnect options.

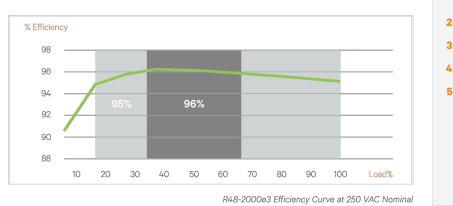
Distribution device options include 1 amp to 300 amp bullet-style circuit breakers, 3 amp to 125 amp TPS-style fuses in plug-in bullet-style holders, 100 amp to 800 amp GJ/218-style circuit breakers, 70 amp to 250 amp TPL-B-style fuses and 70 amp to 600 amp TPH-style fuses. These devices can be configured for both -48 V load and battery disconnect and +24 V load (bullet devices only). A GMT fuse module is also available.

Application

The NetSure 7100 system is ideal for wireless, and wireline applications, including cell sites, MTSOs, small COs, datacenters, co-locations, huts, vaults and enclosures.

Technical Specifications (System)

SYSTEM FEATURES		ENVIRONMENT	AL.
System Voltage, Nominal	-48 VDC (-42.0 VDC to -58.0 VDC range)	Operating Temperature	-40 °F to 104 °F (-40 °C continuous operation
		Storage	-40 °F to 185 °F (-40 °C
Output Voltage, Secondary	+24 VDC (+24.0 VDC to +28.0 VDC range)	Humidity	0% to 95% relative hun non-condensing
	Single Phase: 208/240/277 VAC (277 VAC for 3500 W rectifiers only) Three Phase: 208 VAC or 277/480 VAC (277/480 VAC for 3500 W rectifiers only)	Ventilation	Rectifiers and converte front to rear
Control	Microprocessor (NCU)	EMI/RFI Suppression	Conforms to FCC rules B, Class B and EN5502 and conducted
RATED OUTPUT	CAPACITY	Safety	UL Listed 1801, cUL, N
	2500 amps (48VDC) and 520 amps (24VDC)	Compliance	UL LISTED 1801, CUL, N
Bay, Distribution	2000 amps (48 VDC) and 520 amps (24 VDC)	Ordering I	nformation
	3500 W (R48-3500e3 or R48-3500) or 2000 W (R48-2000e3)	PART NUMBER	DESCRIPTION
	438 amps (3500W rectifiers)	582127000	NetSure™ 7100 DC po
	or 250 amps (2000W rectifiers)	1M830DNA	NCLI controller
		1M830DNA 1R483500E3	NCU controller 3500 W eSure rectifier
	or 250 amps (2000W rectifiers) 600 amps		
Panel PHYSICAL CHAI Framework	or 250 amps (2000W rectifiers) 600 amps RACTERISTICS Rail-mount (can be mounted	1R483500E3	3500 W eSure rectifier
Panel PHYSICAL CHAI Framework Type Mounting	or 250 amps (2000W rectifiers) 600 amps RACTERISTICS Rail-mount (can be mounted in an enclosure or relay rack)	1R483500E3 588705400	3500 W eSure rectifier Power shelf for 1RU 38
Panel PHYSICAL CHAI Framework Type	or 250 amps (2000W rectifiers) 600 amps RACTERISTICS Rail-mount (can be mounted	1R483500E3 588705400 1R483500E	3500 W eSure rectifier Power shelf for 1RU 35 3500 W eSure [™] rectifi
Panel PHYSICAL CHAI Framework Type Mounting	or 250 amps (2000W rectifiers) 600 amps RACTERISTICS Rail-mount (can be mounted in an enclosure or relay rack)	1R483500E3 588705400 1R483500E 588705000	3500 W eSure rectifier Power shelf for 1RU 38 3500 W eSure™ rectifi Power shelf for 3 RU 3
Panel PHYSICAL CHAI Framework Type Mounting Width Mounting	or 250 amps (2000W rectifiers) 600 amps RACTERISTICS Rail-mount (can be mounted in an enclosure or relay rack) 23 inches	1R483500E3 588705400 1R483500E 588705000 1R482000E3	3500 W eSure rectifie Power shelf for 1RU 38 3500 W eSure [™] rectifi Power shelf for 3 RU 3 2000 W eSure rectifie



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DC-00169 (R10/17)

PROPOSED VERTIV NETSURE 7100 -48VDC POWER PLANT DETAIL

-40 °F to 104 °F (-40 °C to 40 °C)

-40 °F to 185 °F (-40 °C to 85 °C)

Rectifiers and converters are fan-cooled

Conforms to FCC rules Part 15. Subpart

UL Listed 1801, cUL, NEBS Level 3

NetSure[™] 7100 DC power system

3500 W eSure rectifier, 1RU height

Power shelf for 1RU 3500W rectifiers

3500 W eSure™ rectifier, 3RU height

Power shelf for 3 RU 3500 W rectifiers

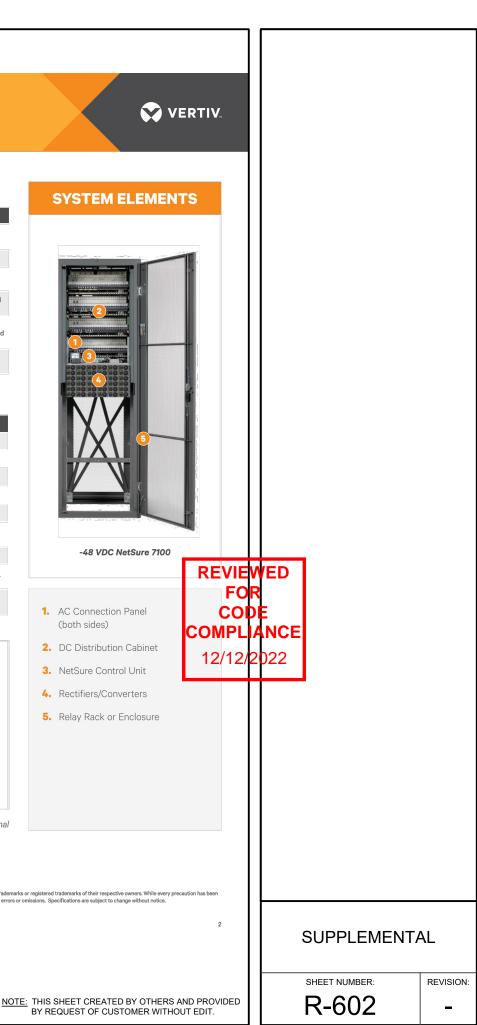
2000 W eSure rectifier, 1RU height

1500 W -48 VDC to +24 VDC converter

Power shelf for 1 RU (2000 W)

B, Class B and EN55022 Class B, radiated

0% to 95% relative humidity.



eSure[™] Rectifier

R48-2000e3

Benefits

- Optimize the amount of energy delivered and reduce power consumption with over 96% efficiency.
- Increase space for revenue generating equipment with modules that pack more power in a small space with high power density.
- Facilitate easy maintenance, expansion and system changes with hot swappable capabilities.
- Enjoy increased reliability and active load sharing with Digital Signal Processing (DSP) which translates into fewer components and optimized operation.
- Appreciate the flexibility to utilize in a variety of applications with a wide input voltage range of 85 VAC to 300 VAC and full power output at temperatures from -40°C to +65°C.

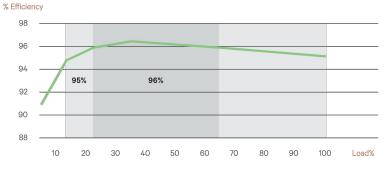
In addition to reducing power consumption and lowering operating cost, eSure[™] high-efficiency rectifiers offer superior performance and uncompromised reliability.

Description

The 2000 watt high-efficiency eSure rectifier (model R48-2000e3) converts standard AC supply voltages into stable nominal -48 VDC voltage that is adjustable to application needs. This constant power rectifier designed with the latest patented switch-mode technology, uses DSP (Digital Signal Processing) for efficient operation.

The R48-2000e3 can be connected in parallel with other rectifiers and converters to support a variety of telecom applications. Unified remote management and control of the power system is enabled when combined with a Vertiv[™] controller.





R48-2000e3 Efficiency Curve at 250 VAC Nominal



🚘 connect@alpinepowersystems.com **&** 877-993-8855

- Robust positive plates are designed to prolong service life and enhance corrosion resistance
- Separators are low resistance microporous (AGM). The electrolyte is absorbed within the AGM, preventing acid spills in case of accidental damage
- Container and cover in flame retardant UL94-V0 material, highly resistant to shock and vibration
- Terminals are stainless steel front access with top access copper alloy insert. Top and front access terminations provide maximum conductivity
- Self-regulating one way pressure relief valves prevents ingress of atmospheric oxygen

General Specifications

Construction

VERTIV.

Installation and Operation

- Space efficient footprint VRLA design, reduces maintenance requirements
- Lifting handles for easy handling • Greater than 10 year life expectancy in float service at
 - 77°F (25°C) Increased active material surface area yields great
 - cycling capability • Operating temperature: -40°F (-40°C) to 122°F (50°C)
 - Recommended temperature: 68°F (20°C) to 86°F (30°C)

	Nominal Ca	pacity (Ah)			Nominal D	imensions		
Cell Type	10 hr rate to 1.80Vpc @20°C	8 hr rate to 1.75Vpc @77°F	Ler	igth mm	W	idth mm	He	eight mm
SBS B8F	31	31	11.9	303	3.8	97	6.3	159
SBS B10F	38	38	11.9	303	3.8	97	7.2	184
SBS B14F	62	62	11.9	303	3.8	97	10.4	26
SBS C11F	92	91	16.4	417	4.1	105	10.1	256
SBS 100F	100	100	15.6	395	4.3	108	11.3	287
SBS 112F	112	112	22.1	561	4.9	125	9.0	22
SBS 145F	145	145	17.9	455	6.8	173	9.4	23
SBS 165F	165	165	17.9	455	6.8	173	10.8	273
SBS 170F	170	170	22.1	561	4.9	125	11.1	28
SBS 190F	190	190	22.1	561	4.9	125	12.4	316





SBS 100F-112F



SBS C11F



 Battery Installation Capacity and Acceptance

backup power Itelecom www.alpinepowersystems.

PROPOSED EA. HE 2KW -48VDC RECTIFIER DETAIL 1

Standards • Meets criteria for "non-spillable" batteries • Complies with Telcordia® SR-4228, Network Equipment Building System (NEBS™) Criteria Levels • The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified	
Image: Notation of the second secon	
Backup Power	
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ecom motive power <u>vstems.com</u>	SUPPLEMENTAL
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NETSURE[™] 24 & 48V VRLA **BATTERY RACK**

NETSURE[™] 24 & 48V VRLA BATTERY RACK

KEY FEATURES

- Battery connection cables are supplied with factory installed lugs for easy installation
- Optional circuit breakers provide individual battery string disconnect with alarm
- Compatible with any DC power system for versatility
- Complies with industry standards: UL Listed and Seismic Zone 4 compliant

Compact, flexible design is Seismic Zone 4 rated and ideal for telecommunications facilities requiring modular battery plants.

Product Overview

The NetSure® 24 & 48V VRLA Battery Rack provides back-up capacity up to 1900 amp-hours per bay for +24V applications and 950 amp-hours per bay for -48V applications. Model 24BA1200 (+24VDC) and model 48BA1200 (-48VDC) battery racks mount up to six trays of VRLA batteries in 19" or 23" relay racks.

Integrate a NetSure power system for a complete DC power plant with battery backup. The NetSure system is equipped with an MCA controller that controls low voltage battery disconnect and monitors battery recharge and discharge current. Battery life is maximized through monitoring and controlling battery voltage and current during charge cycles.



+24V, Five-Tray (10 Strings) Battery Rack with NetSure® 700 DC Power System

Technical Specifications

DC OUTPUT	
Output Capacity	1200 amps per bay
ENVIRONMENTAL	
Operating Ambient Temperature Range	-40°C to +40°C (-40°F to +104°F)
Storage Ambient Temperature Range	-40°C to +85°C (-40°F to +185°F)

Application

The NetSure® VRLA Battery Rack is designed for use in wireline and wireless communication systems installed in small offices, huts, CEVs and CUEs. It is also designed for use with NetSure® DC power systems, and is compatible with most DC power equipment.

Additional Information

Additional specification, engineering and installation information may be obtained by requesting SAG588810100/SAG588810200 for the +24 volt system and SAG588820100/ SAG588820200 for the -48 volt system.

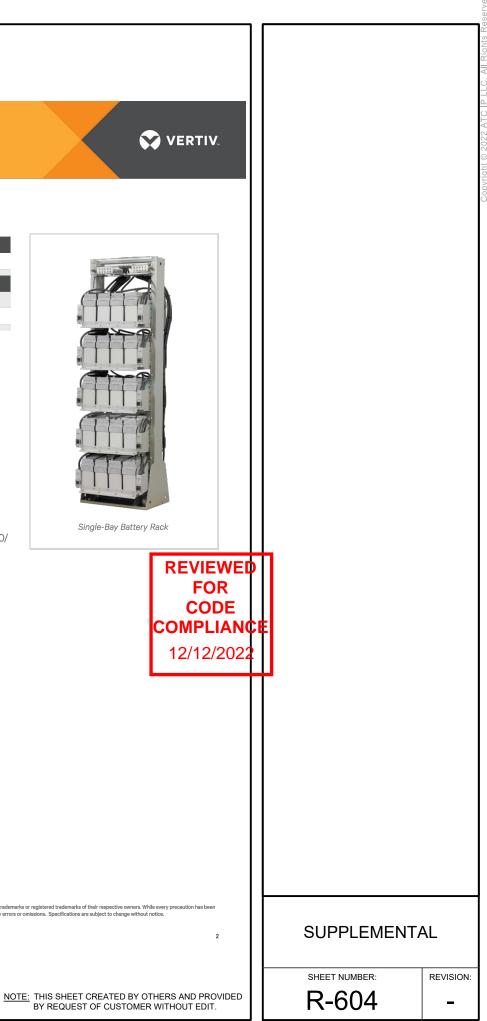
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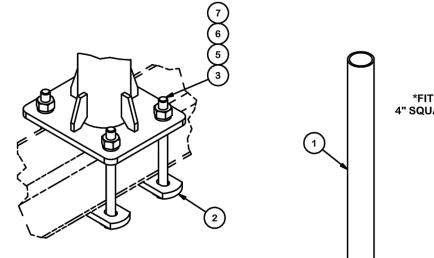
DC-00126 (R12/16)

PROPOSED BATTERY RACK DETAIL 1 SCALE: N.T.S.

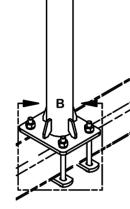
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	PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH			
1	1	X-SAMAST-3	3' STANDOFF ARM MAST WELDMENT				
2	2	X-115765	5" V-CLAMP	7 1/16 in			
3	4	G1206	1/2" x 6" HDG HEX BOLT GR5 FULL THREAD	2 in			
4	4	G1203	1/2" x 3" HDG HEX BOLT GR5 FULL THREAD	3 in			
5	4	G12FW	1/2" HDG USS FLATWASHER	3/32 in			
6	4	G12LW	1/2" HDG LOCKWASHER	1/8 in			
7	4	G12NUT	1/2" HDG HEAVY 2H HEX NUT				



DETAIL B



SQUARE TUBE MOUNTING OPTI

TOLERANCE NOTES TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES (± 0.030") DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES BENDS AND ANGLES ARE ± 1/2 DEGREE	DESC	RIPTIO	N 3' STANDOF ARM MAST				SITE III Eng Supp 1-888 valmont T COMMAN
ALL OTHER MACHINING (± 0.030") ALL OTHER ASSEMBLY (± 0.060")	CPD NO).	DRAWN BY CEK 6/19/2019	ENG. AP	PROVAL	PART N	IO.
PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.	class 81	suв 02	DRAWING USAGE CUSTOMER	снеске ВМС		DWG. N	NO. SAMAS
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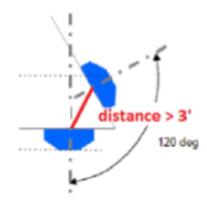
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RF REQUIREMENTS FOR 700 B14 FIRSTNET, 700 B12 700D B29 ANTENNA SEPARATION

- Horizontal separation (side to side of antenna): >= 3'
- □ Vertical separation (between the tips of the antennas): > 3'
- Inter-sector separation: > 3' between the center of the antenna backplane



- Please note additional horizontal separation may be required if B14 antennas azimuth are different from others or antennas are severely angle with respect to the mount.
- Typical 3' horizontal separation can tolerate skew angle up to 6°.



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CORPORATION

Mount Analysis Report

ATC Site Name	: Hwy 40 and Hwy 131, CO	
ATC Site Number	: 205626	
Engineering Number	: 14095953_C8_02	
Mount Elevation	: 36 ft	
Carrier	: AT&T Mobility	
Carrier Site Name	: HWY 40 AND HWY 131	
Carrier Site Number	: COU4213	
Site Location	: 30700 County Road 14B	
	Steamboat Springs, CO 80487	
	40.34122688 , -106.85385365	
County	: Routt	regard
Date	: May 17, 2022) []
Max Usage		ζ.
Result	: Pass	00
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Prepared By: Zaynab Bayati Structural Engineer

Zaynab Bayati



Authorized by "EOR" 20 May 2022 11:10:22 COSign



Introduction

The purpose of this report is to summarize results of the mount analysis performed for AT&T Mobility at 36 ft.

Supporting Documents

Specifications Sheet	Site Pro 1 RMV12, dated July 1, 2015
Radio Frequency Data Sheet	RFDS ID #COU4213, dated February 10, 2022
Reference Photos	Site photos from 2021

Analysis

This mount was analyzed using American Tower Corporation's Mount Analysis Program and RISA-3D

105 mph (3-Second Gust)
50 mph (3-Second Gust) w/ 0.25" radial ice concurre
ANSI/TIA-222-H / 2018 IBC / Larimer County Amendr
C
П
Method 2
Flat
0 ft
0 ft
Ss = 0.605, S1 = 0.104
D - Stiff Soil - Default
Lm = 250 lbs, Lv = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above. The mount can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

ATC Tower Services, LLC - 3500 Regency Parkway, Suite 100 - Cary, NC 27518 - 919.468.0112 Office - 919.466.5414 Fax - www.americantower.com

Reviewed By:

ATC Tower Services, LLC - 3500 Regency Parkway, Suite 100 - Cary, NC 27518 - 919.468.0112 Office - 919.466.5414 Fax - www.americantower.com



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