

VICINITY MAP

**AT&T MOBILITY  
ANTENNA AMENDMENT PLAN**



**AMERICAN TOWER®**

ATC SITE NAME: CANON CITY CO 2  
 ATC SITE NUMBER: 302446  
 AT&T MOBILITY SITE ID: SICO002172  
 AT&T MOBILITY FA CODE: 10093563  
 AT&T MOBILITY SITE NAME: CANYON CITY (SPECTRASITE 6)  
 SITE ADDRESS: S 1/2 OF NW 1/4 OF SECTION 25  
 TOWNSHIP 18 N  
 MERIDIAN CANON CITY, CO 81212-9763

AT&T MOBILITY IWM NUMBER / PACE JOB NUMBER / PTN:  
**LTE: WSUTH0049804 / MRUTH075703 / 3755A1EE4M**  
 5G NR RADIO: WSUTH0048790 / MRUTH075777 / 3755A1EVD7  
**LTE: WSUTH0049882 / MRUTH076240 / 3755A1ER9L**  
 5G NR RADIO: WSUTH0049554 / MRUTH076402 / 3755A1EKTH  
**LTE: WSUTH0050043 / MRUTH075597 / 3755A1EGWS**



LOCATION MAP



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

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, LLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR MSH ENGINEERING, LLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY.

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	11/22/24
B	100% CONSTRUCTION	GV	12/02/24
C			
D			

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 S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18 N  
 CANON CITY, CO 81212-9763



SEAL: 12/02/24



DATE DRAWN: 12/02/24  
 ATC JOB NO: 14872928  
 CUSTOMER NAME: CANYON CITY (SPECTRASITE 6)  
 CUSTOMER ID: SICO002172

**TITLE SHEET**

SHEET NUMBER:  
**G-001**  
 REVISION:  
**0**

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.  1. 2021 INTERNATIONAL BUILDING CODE (IBC) 2. 2020 NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18 N CANON CITY, CO 81212-9763 COUNTY: FREMONT  <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 38.45410 LONGITUDE: -105.28630 GROUND ELEVATION: 7,111' AMSL  <u>ZONING INFORMATION:</u> JURISDICTION: FREMONT COUNTY PARCEL ID: 3819000000036	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:  <u>TOWER WORK:</u> REMOVE (6) ANTENNA(S), (18) RRR(S), (3) DIPLEXER(S), AND (3) TMA(S),  INSTALL (3) TIEBACK(S), (3) 10' MOUNT PIPE(S), (9) CROSSOVER PLATE KIT(S), (3) ANTENNA(S), AND (12) RRU(S).  EXISTING (6) ANTENNA(S), (3) SQUID(S), (1) 3/8" (0.38" - 9.5MM) RET CONTROL CABLE(S), (10) 7/8" COAX CABLE(S), (4) EWP90 ELLIPTICAL CABLE(S), (1) 5/8" COAX CABLE(S), (3) 0.39" (10MM) FIBER TRUNK(S), AND (6) 0.78" (19.7MM) 8 AWG 6 DC POWER TRUNK(S) TO REMAIN.  <u>GROUND WORK:</u> REMOVE (1) BBU CABINET(S) AND (6) RRR(S).  INSTALL (1) PURCELL FLX42 CABINET(S), (3) 50A AIR6472 B77D B77M DC BREAKER(S), (3) 50A 4490 B5/B12A DC BREAKER(S), (3) 50A 4890 B25/B66 DC BREAKER(S), (3) 50A 4494 B14/B29 DC BREAKER(S), (3) 25A 4471 B30 DC BREAKER(S), (2) 15A 6651 BBU DC BREAKER(S), (1) 25A 6601 DC BREAKER(S), (1) 6672 BBU(S), AND (2) 15A D2 SIAD S9500 DC BREAKER(S).	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
	<u>PROJECT TEAM</u>  <u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801  <u>ENGINEER:</u> TEP 326 TRYON RD RALEIGH, NC 27603  <u>APPLICANT:</u> AT&T MOBILITY  <u>PROPERTY OWNER:</u> CITY OF CANON CITY PO BOX 1460 CANON CITY, CO 81215-1460		G-001	TITLE SHEET	0	12/02/24	GV
<u>UTILITY COMPANIES</u>  POWER COMPANY: BLACK HILLS ENERGY CO ELECTRIC PHONE: (888) 890-5554  TELEPHONE COMPANY: CENTURYLINK PHONE: (888) 561-9173	<u>PROJECT LOCATION DIRECTIONS</u>  I-25 EXIT 101, GO WEST ON HWY 50 FOR 37 MILES. AT THE INTERSECTION TO ROYAL GORGE PARK TURN LEFT. STAY ON THIS ROAD FOR 3.1 MILES. BEAR LEFT ON DIRT ROAD, BEAR RIGHT AT SIGNED FORK. THERE IS A LOCKED ACCESS GATE. CONTACT ATC FOR ACCESS CODE.	<u>PROJECT NOTES</u>  1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).	G-002	GENERAL NOTES	0	12/02/24	GV
			C-001	OVERALL SITE PLAN	0	12/02/24	GV
			C-101	DETAILED SITE PLAN	0	12/02/24	GV
			C-102	DETAILED EQUIPMENT LAYOUT	0	12/02/24	GV
			C-201	TOWER ELEVATION	0	12/02/24	GV
			C-401	ANTENNA INSTALLATION	0	12/02/24	GV
			C-402	ANTENNA SCHEDULE	0	12/02/24	GV
			C-501	CONSTRUCTION DETAILS	0	12/02/24	GV
			E-101	ELECTRICAL PANELS	0	12/02/24	GV
			E-102	ONE-LINE DIAGRAM	0	12/02/24	GV
			E-103	GROUNDING PLAN	0	12/02/24	GV
			E-501	GROUNDING DETAILS	0	12/02/24	GV
			R-601 - R-607	SUPPLEMENTAL			

**GENERAL CONSTRUCTION NOTES:**

1. 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)
  - B. AC/TELCO INTERFACE BOX (PPC)
  - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
  - D. TOWERS, MONOPOLES
  - E. TOWER LIGHTING
  - F. GENERATORS & LIQUID PROPANE TANK
  - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
  - H. ANTENNAS (INSTALLED BY OTHERS)
  - I. TRANSMISSION LINE
  - J. TRANSMISSION LINE JUMPERS
  - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
  - L. TRANSMISSION LINE GROUND KITS
  - M. HANGERS
  - N. 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.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. 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.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. 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 ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE AT&T MOBILITY REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T MOBILITY REP, AND 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.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE AT&T MOBILITY REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH 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.
20. CONTRACTOR SHALL FURNISH AT&T MOBILITY AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. 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 CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T MOBILITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT 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 NOTIFY AT&T MOBILITY REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. WHEN THE PROJECT SCOPE REQUIRES THE USE OF THE SAFETY CLIMB, THE GENERAL CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS FREE OF OBSTRUCTIONS, NOT RUBBING ON OR TRAPPED BY ANY INSTALLED CUSTOMER EQUIPMENT, IS VISUALLY TAUT, MEETS MANUFACTURER INSTALLATION SPECIFICATIONS, AND IS FIRMLY SECURED AT ALL CABLE GUIDE LOCATIONS UPON PROJECT COMPLETION.
29. COMPLETION OF PROJECT SHALL NOT OBSTRUCT, TRAP, LOOSEN, OR OTHERWISE CAUSE FAILURE TO MEET MANUFACTURER INSTALLATION REQUIREMENTS FOR THE SAFETY CLIMB.
30. 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.
31. 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 NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER 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.
32. 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.
33. 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.
34. 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.
35. 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:**

1. WORK INCLUDED:
  - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY AT&T MOBILITY UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST AN ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL.
  - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND AT&T MOBILITY SPECIFICATIONS.
  - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
  - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
  - 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 AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
  - F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT 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:
  2. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
  3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



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**GENERAL NOTES**

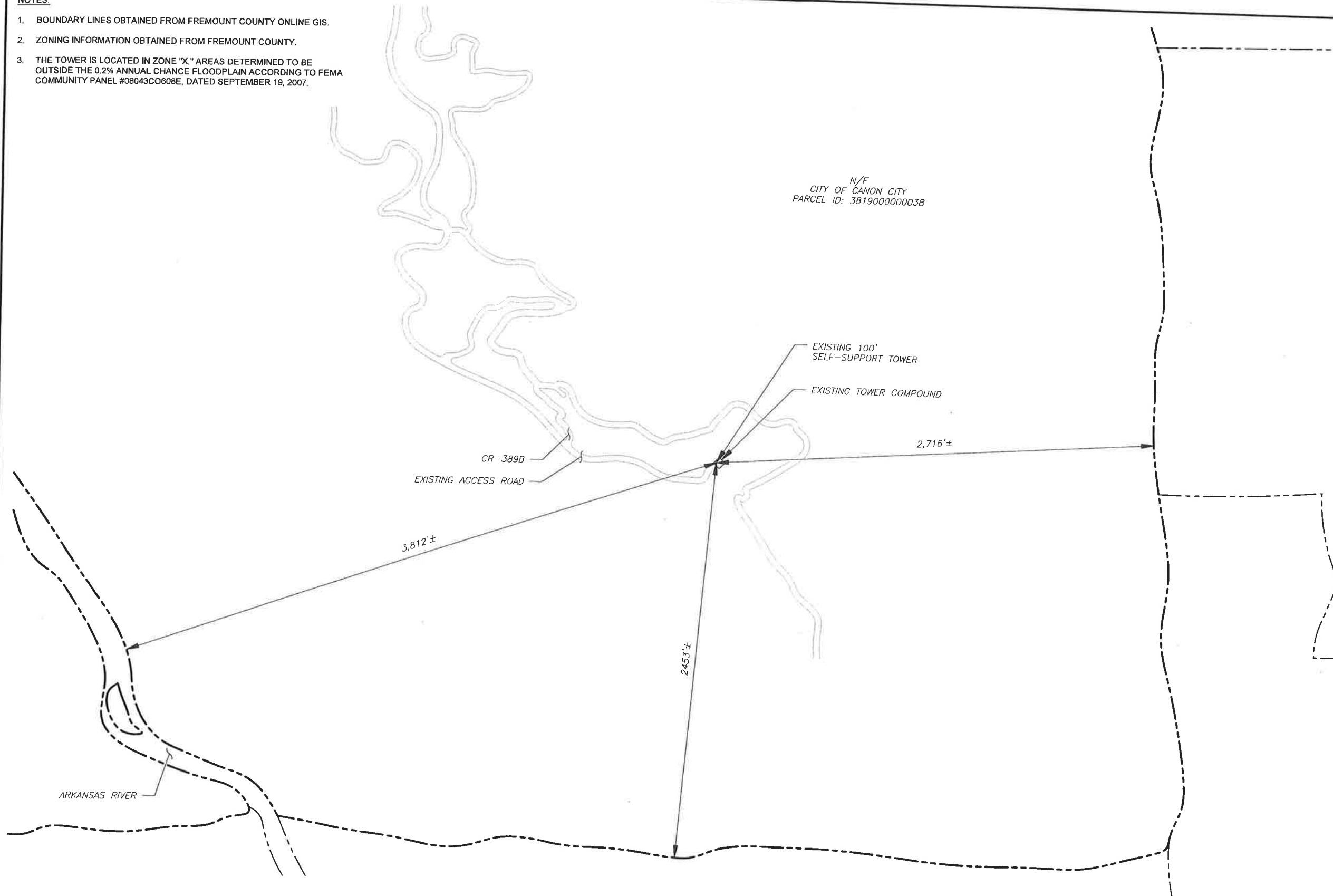
SHEET NUMBER: <b>G-002</b>	REVISION: <b>0</b>
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NOTES:

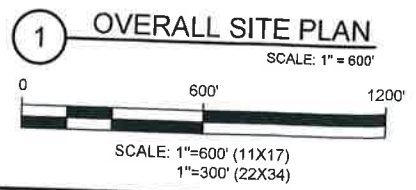
1. BOUNDARY LINES OBTAINED FROM FREMOUNT COUNTY ONLINE GIS.
2. ZONING INFORMATION OBTAINED FROM FREMOUNT COUNTY.
3. THE TOWER IS LOCATED IN ZONE "X," AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #08043CO608E, DATED SEPTEMBER 19, 2007.

N/F  
CITY OF CANON CITY  
PARCEL ID: 3819000000038



**LEGEND**

	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING LEASE AREA



PLANS PREPARED BY:  
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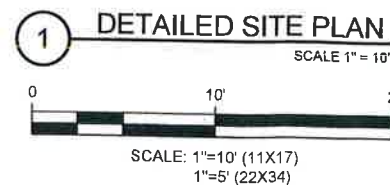
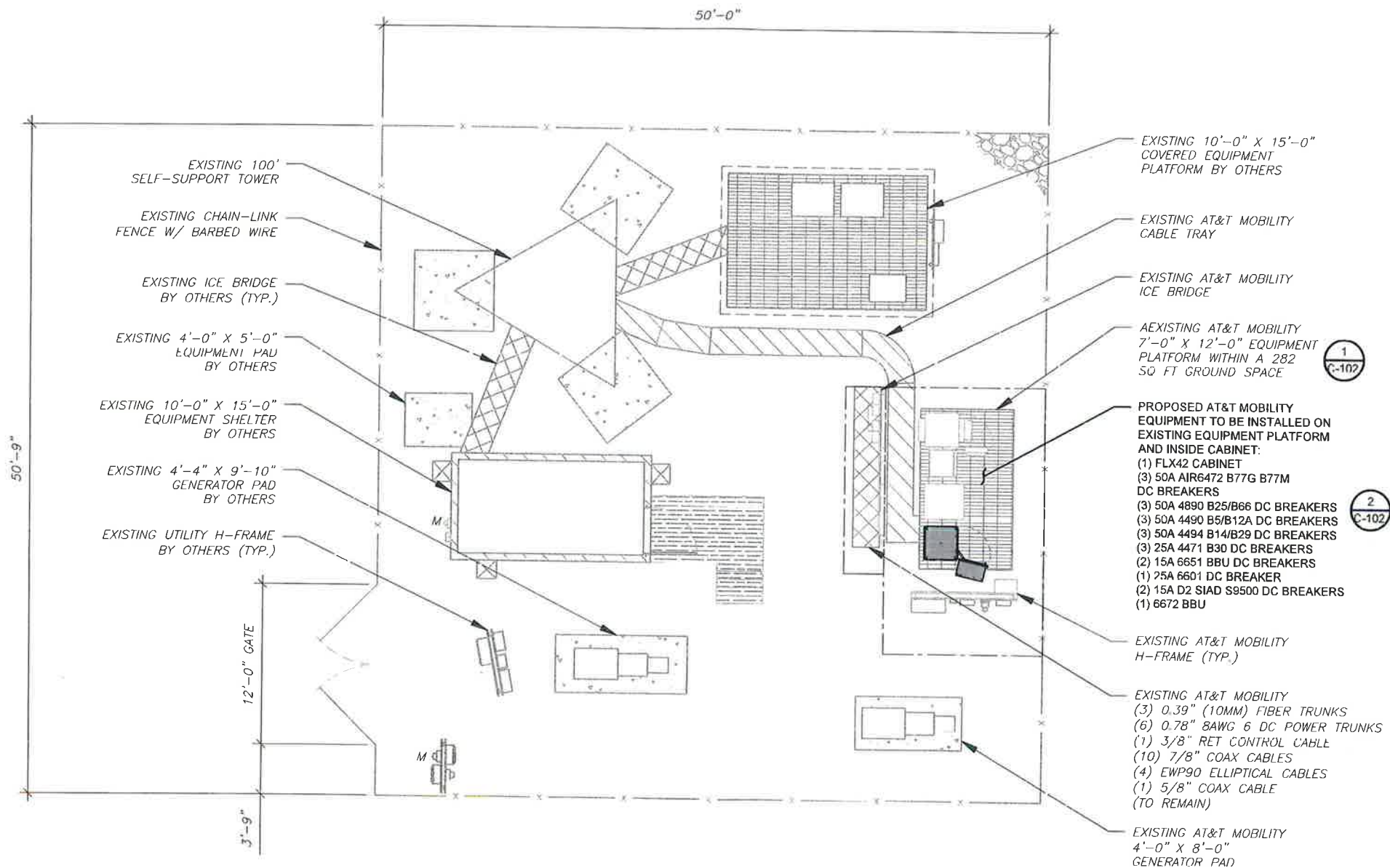
**OVERALL SITE PLAN**

SHEET NUMBER: <b>C-001</b>	REVISION: <b>0</b>
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**SITE PLAN NOTES:**

1. 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.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. 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.
3. THIS CONSTRUCTION DRAWING SET IS NOT INTENDED TO REPRESENT ANY ELECTRICAL DESIGN OTHER THAN THE GROUNDING SHOWN, OR TO BE USED TO OBTAIN AN ELECTRICAL PERMIT. AN ELECTRICAL PERMIT IS REQUIRED TO WIRE UP THE PROPOSED CABINETS. ANY ELECTRICAL UPGRADES WILL BE ENGINEERED AND PERMITTED IN A SEPARATE CONSTRUCTION DRAWING SET.

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



PLANS PREPARED BY:



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

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REV.	DESCRIPTION	BY	DATE
1	PRELIMINARY	APM	11/22/24
2	100% CONSTRUCTION	GV	12/02/24

ATC SITE NUMBER: 302446  
ATC SITE NAME: CANON CITY CO 2  
AT&T MOBILITY SITE NUMBER:  
**SICO002172**  
AT&T MOBILITY SITE NAME:  
**CANYON CITY (SPECTRASITE 6)**  
SITE ADDRESS:  
S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18 N  
CANON CITY, CO 81212-9763



SEAL: 12/02/24



DATE DRAWN:	12/02/24
ATC JOB NO:	14872928
CUSTOMER NAME:	CANYON CITY (SPECTRASITE 6)
CUSTOMER ID:	SICO002172

<b>DETAILED SITE PLAN</b>	
SHEET NUMBER: <b>C-101</b>	REVISION: <b>0</b>



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△	100% CONSTRUCTION	GV	12/02/24
△			
△			

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 S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18 N  
 CANON CITY, CO 81212-9763

TEP OPDC LLC



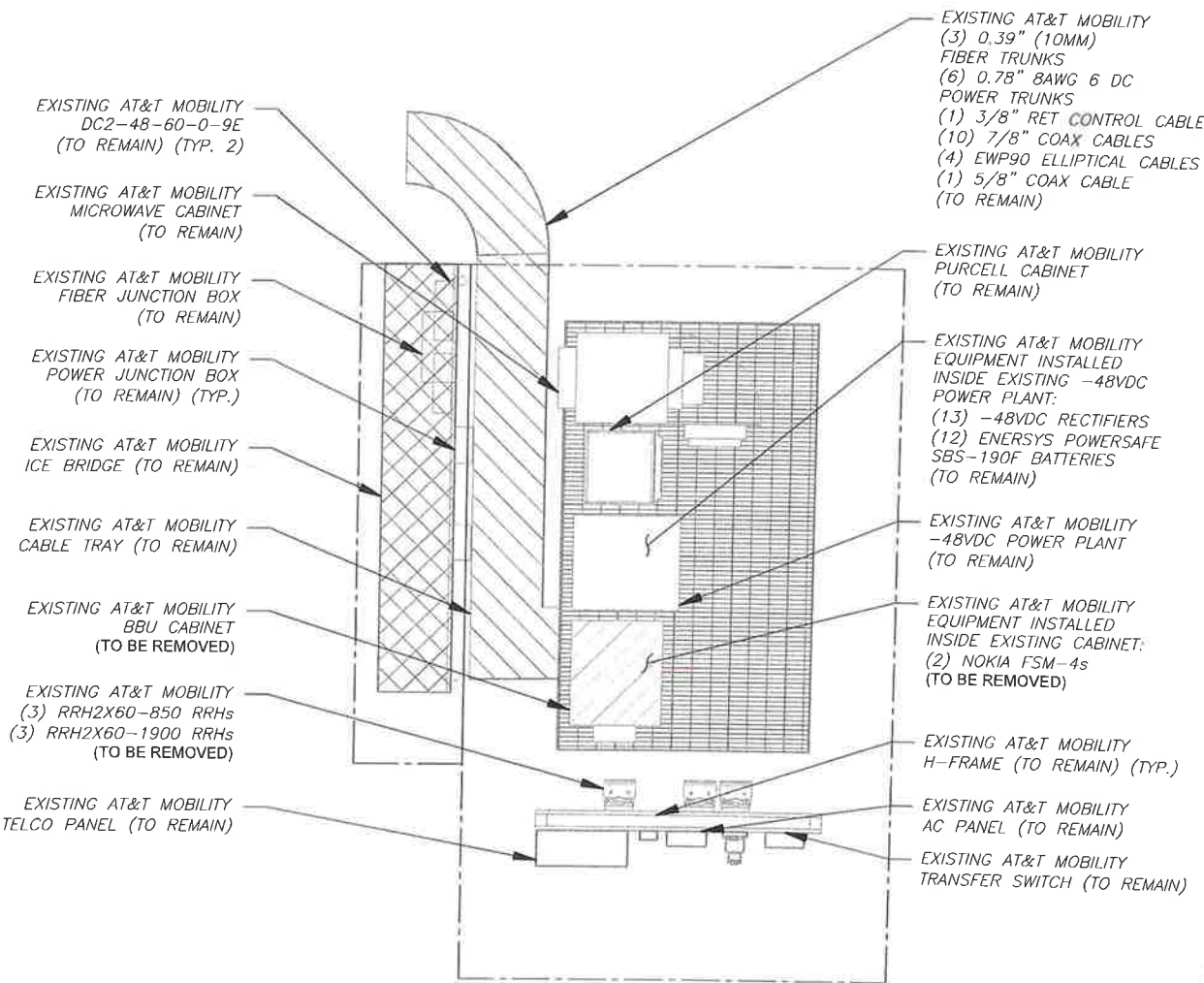
SEAL: 12/02/24



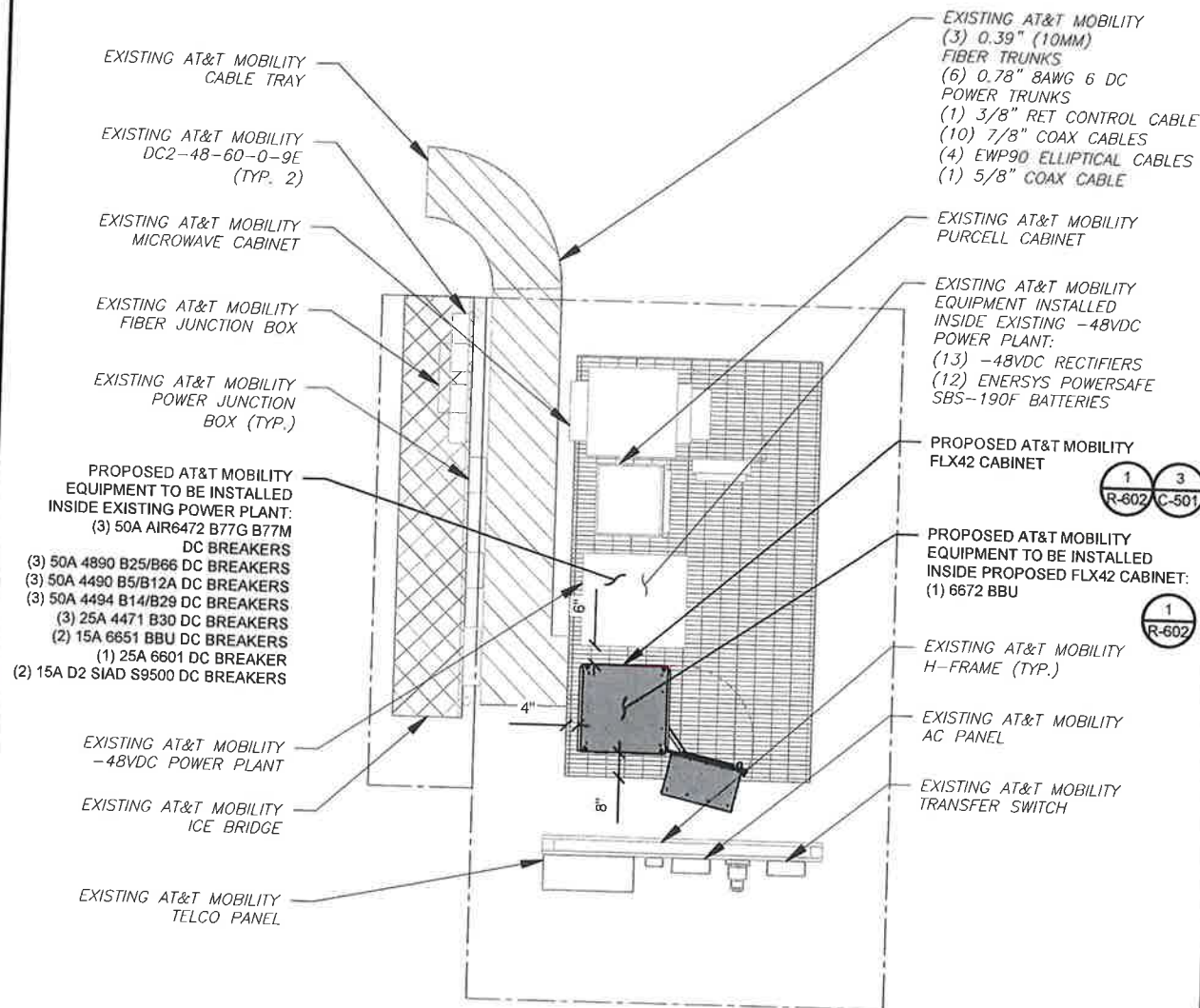
DATE DRAWN:	12/02/24
ATC JOB NO:	14872928
CUSTOMER NAME:	CANYON CITY (SPECTRASITE 6)
CUSTOMER ID:	SICO002172

### DETAILED EQUIPMENT LAYOUT

SHEET NUMBER:	REVISION:
C-102	0



1 EXISTING DETAILED EQUIPMENT LAYOUT SCALE: 1" = 5'



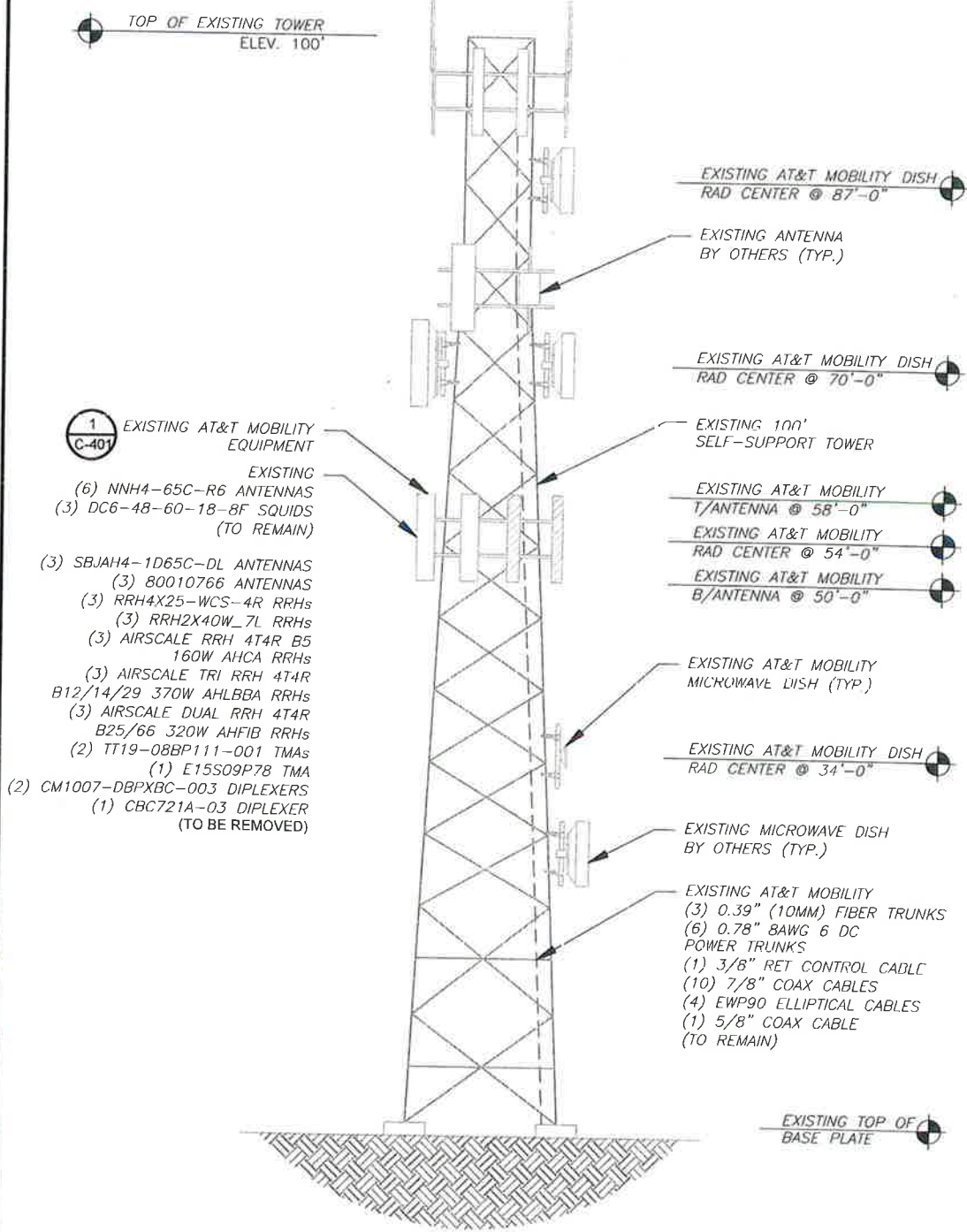
2 PROPOSED DETAILED EQUIPMENT LAYOUT SCALE: 1" = 5'



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TOP OF EXISTING HIGHEST APPURTENANCE  
ELEV. 111'

TOP OF EXISTING TOWER  
ELEV. 100'

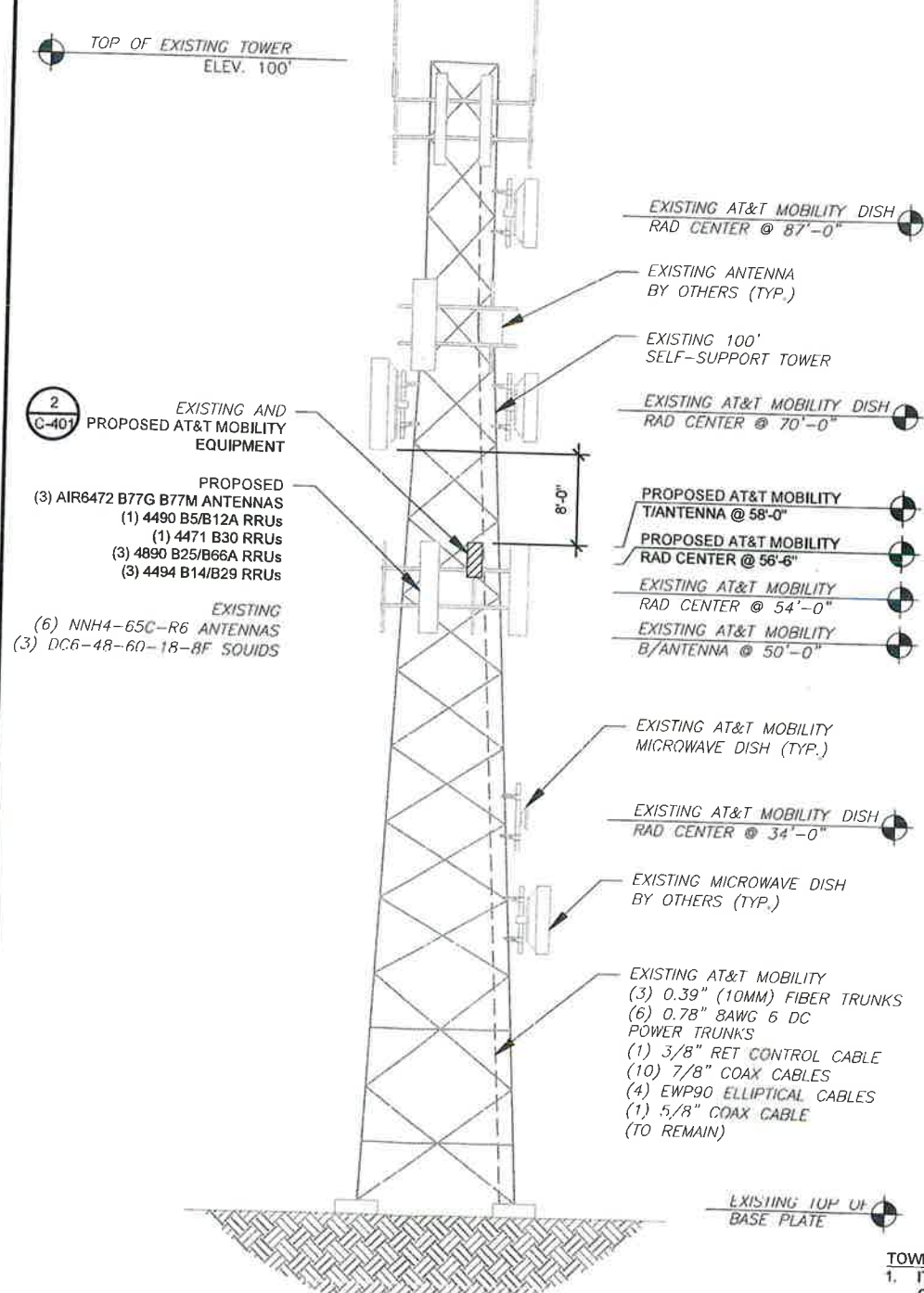


**1** EXISTING TOWER ELEVATION  
SCALE: 1" = 15'

SCALE: 1" = 20' (11X17)  
1" = 10' (22X34)

TOP OF EXISTING HIGHEST APPURTENANCE  
ELEV. 111'

TOP OF EXISTING TOWER  
ELEV. 100'



**2** PROPOSED TOWER ELEVATION  
SCALE: 1" = 15'

SCALE: 1" = 20' (11X17)  
1" = 10' (22X34)

PER MOUNT ANALYSIS COMPLETED BY B+T GRP, DATED NOVEMBER 18, 2024, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

- DETAILED SOW:**  
\*\*\*TOPSIDE\*\*\*
- REMOVE (3) SBJAH4-1D65C-DL ANTENNAS
  - REMOVE (3) 80010766 ANTENNAS
  - REMOVE (3) RRH4X25-WCS-4R RRHs
  - REMOVE (3) RRH2X40W\_7L RRHs
  - REMOVE (3) AIRSCALE RRH 4T4R B5 160W AHCA RRHs
  - REMOVE (3) AIRSCALE TRI RRH 4T4R B12/14/29 370W AHLBBA RRHs
  - REMOVE (6) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB RRHs
  - REMOVE (2) TT19-08BP111-001 TMA
  - REMOVE (1) E15S09P78 TMA
  - REMOVE (2) CM1007-DBPXBC-003 DIPLEXERS
  - REMOVE (1) CBC721A-03 DIPLEXER
  - INSTALL (3) AIR6472 B77G B77M ANTENNAS
  - INSTALL (4) 4490 B5/B12A RRUs
  - INSTALL (3) 4890 B25/B66A RRUs
  - INSTALL (4) 4494 B14/B29 RRUs
  - INSTALL (2) 4471 B30 RRUs
  - INSTALL (3) 10' PIPE MOUNTS
  - INSTALL (9) CROSSOVER PALTE KITS
  - REMAIN (6) NNH4-65C-R6 ANTENNAS
  - RETAIN (3) DC6-48-60-18-8F SQUIDS
  - RETAIN (6) 0.78" (19.7 MM) 8 AAWG 6 DC POWER TRUNKS
  - RETAIN (3) 0.39" (10 MM) FIBER TRUNKS
  - RETAIN (10) 7/8" COAX CABLES
  - RETAIN (1) 3/8" (0.38" - 9.5 MM) RET CONTROL CABLE
  - RETAIN (4) EWP90 ELLIPTICAL CABLES
  - RETAIN (1) 5/8" COAX CABLE
  - TEST NEW LINES PER MARKET SPEC
  - LABEL NEW CABLES PER MARKET SPEC
  - GROUND NEW EQUIPMENT PER MARKET SPEC
  - \*\*\*BOTTOMSIDE\*\*\*
  - REMOVE (1) BBU CABINET
  - REMOVE (3) RRH2X60-850 RRHs
  - REMOVE (3) RRH2X60-1900 RRHs
  - INSTALL (1) FLX42 CABINET
  - INSTALL (3) 50A AIR6472 B77D B77M DC BREAKERS
  - INSTALL (3) 50A 4490 B5/B12A DC BREAKERS
  - INSTALL (3) 50A 4890 B25/B66 DC BREAKERS
  - INSTALL (3) 50A 4494 B14/B29 DC BREAKERS
  - INSTALL (3) 25A 4478 B14 DC BREAKERS
  - INSTALL (2) 15A 6651 BBU DC BREAKERS
  - INSTALL (1) 25A 6601 DC BREAKER
  - INSTALL (1) 6672 BBU
  - INSTALL (2) 15A D2 SIAD S9500 DC BREAKERS
  - TEST NEW LINES PER MARKET SPEC
  - LABEL NEW CABLES PER MARKET SPEC
  - GROUND NEW EQUIPMENT PER MARKET SPEC.

- TOWER NOTES:**
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
  2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
  3. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.



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B	100% CONSTRUCTION	GV	12/02/24

ATC SITE NUMBER: 302446  
ATC SITE NAME: CANON CITY CO 2  
AT&T MOBILITY SITE NUMBER:  
SICO002172  
AT&T MOBILITY SITE NAME:  
**CANYON CITY (SPECTRASITE 6)**  
SITE ADDRESS:  
S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18 N  
CANON CITY, CO 81212-9763



SEAL: 12/02/24

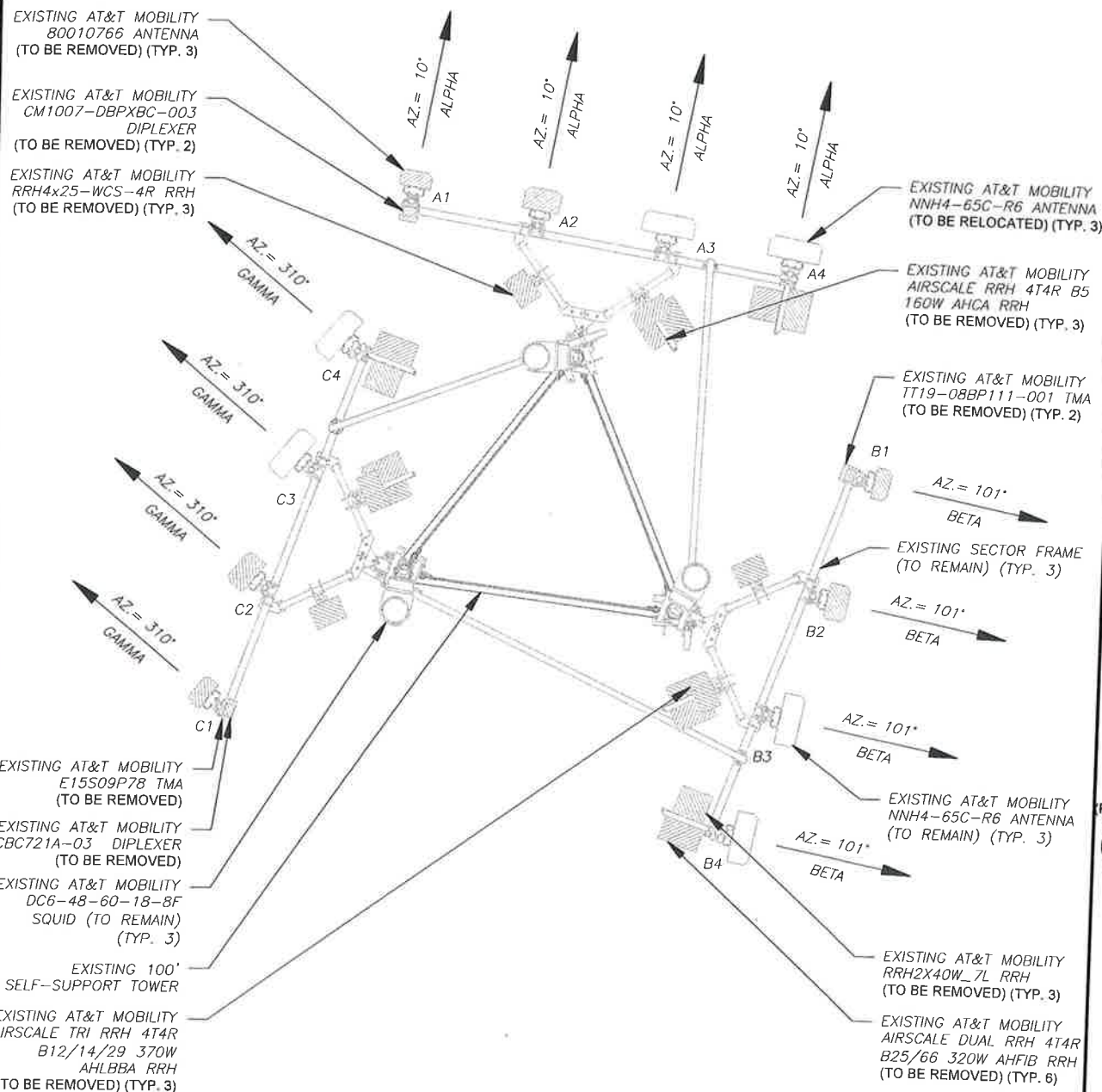


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CUSTOMER NAME:	CANYON CITY (SPECTRASITE 6)
CUSTOMER ID:	SICO002172

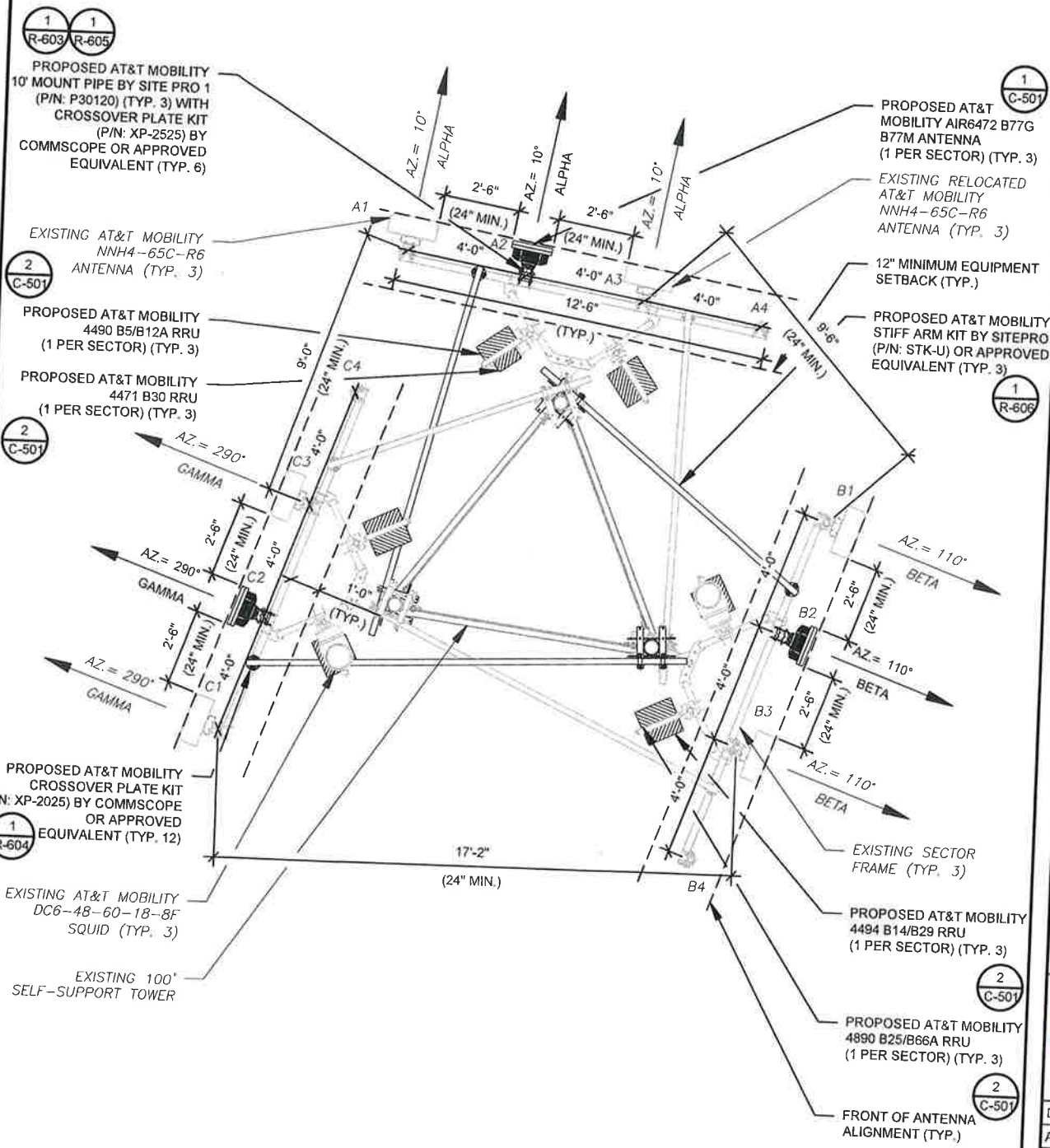
**TOWER ELEVATION**

SHEET NUMBER: **C-201** REVISION: **0**

EXISTING CONFIGURATIONS ARE BASED ON RFDS. CONTRACTOR TO VERIFY EXISTING CONDITIONS.



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PROPOSED RRUs MUST BE INSTALLED A MINIMUM OF 12" AWAY FROM HORIZONTAL MOUNTING PIPE

**AMERICAN TOWER**  
PLANS PREPARED BY:  
**TEP**

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AT&T MOBILITY SITE NUMBER: SICO002172  
AT&T MOBILITY SITE NAME: CANYON CITY (SPECTRASITE 6)  
SITE ADDRESS: S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18 N CANYON CITY, CO 81212-9763



SEAL: 12/02/24



DATE DRAWN:	12/02/24
ATC JOB NO:	14872928
CUSTOMER NAME:	CANYON CITY (SPECTRASITE 6)
CUSTOMER ID:	SICO002172

**ANTENNA INSTALLTION**

SHEET NUMBER: **C-401** REVISION: **0**

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 AT&T MOBILITY SITE NUMBER:  
**SICO002172**  
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**CANYON CITY (SPECTRASITE 6)**  
 SITE ADDRESS:  
 S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18 N  
 CANON CITY, CO 81212-9763

TEP OPICO LLC



SEAL: 12/02/24



DATE DRAWN: 12/02/24  
 ATC JOB NO: 14872928  
 CUSTOMER NAME: CANYON CITY (SPECTRASITE 6)  
 CUSTOMER ID: SICO002172

### ANTENNA SCHEDULE

SHEET NUMBER: **C-402**  
 REVISION: **0**

EXISTING ANTENNA SCHEDULE								
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	54°	10°	A1	80010766	UMTS 850/UMTS 1900	RMV	(1) TT19-08BP111-001 (1) CM1007-DBPXBC-003 (1) RRH2x60-850 [GROUND] (1) RRH2x60-1900 [GROUND]	RMV RMV RMV
			A2	SRJAH4-1D65C-DI	LTE WCS	RMV	(1) RRH2X40W_7L (1) RRH4X26 WCS 4R	RMV RMV
			A3	NNH4-65C-R6	LTE 850/5G 850/ LTE 1900/LTE AWS	RMN	(1) AIRSCALE RRH 4T4R B5 160W AHCA (1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB	RMV RMV
			A4	NNH4-65C-R6	LTE 700/LTE 1900/ LTE AWS	REL	(1) RRH2X40W_7L (1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB	RMV RMV
BETA	54°	101°	B1	80010766	UMTS 850/UMTS 1900	RMV	(1) TT19-08BP111-001 (1) CM1007-DBPXBC-003 (1) RRH2x60-850 [GROUND] (1) RRH2x60-1900 [GROUND]	RMV RMV RMV
			B2	SBJAH4-1D65C-DL	LTE WCS	RMV	(1) RRH2X40W_7L (1) RRH4X25-WCS-4R	RMV RMV
			B3	NNH4-65C-R6	LTE 850/5G 850/ LTE 1900/LTE AWS	RMN	(1) AIRSCALE RRH 4T4R B5 160W AHCA (1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB	RMV RMV
			B4	NNH4-65C-R6	LTE 700/LTE 1900/ LTE AWS	REL	(1) RRH2X40W_7L (1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB	RMV RMV
GAMMA	54°	310°	C1	80010766	UMTS 850/UMTS 1900	RMV	(1) E15S09P78 (1) CBC721A-03 (1) RRH2x60-850 [GROUND] (1) RRH2x60 1900 [GROUND]	RMV RMV RMV
			C2	SBJAH4-1D65C-DL	LTE WCS	RMV	(1) RRH2X40W_7L (1) RRH4X25-WCS-4R	RMV RMV
			C3	NNH4-65C-R6	LTE 850/5G 850/ LTE 1900/LTE AWS	RMN	(1) AIRSCALE RRH 4T4R B5 160W AHCA (1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB	RMV RMV
			C4	NNH4-65C-R6	LTE 700/LTE 1900/ LTE AWS	REL	(1) RRH2X40W_7L (1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB	RMV RMV

**NOTES**

- GC TO VERIFY THE FINAL RFDS MATCHES THE FINAL CONSTRUCTION DRAWINGS. GC TO NOTIFY ATC PM OF ANY DISCREPANCY PRIOR TO INSTALLING THE EQUIPMENT.
- GC TO CAP ALL UNUSED PORTS.
- CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.
- THE ANTENNA ORIENTATION PLAN IS A SCHEMATIC. ATC DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO, ANTENNA AZIMUTHS, MOUNT CONFIGURATIONS AND TOWER ORIENTATION. SCALES SHOWN ARE FOR REFERENCE ONLY AND EXISTING DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION AND NOTIFY ATC OF ANY DISCREPANCIES.
- CONTRACTOR TO ENSURE PROPER SEPARATION IN ACCORDANCE WITH AT&T'S FIRSTNET REQUIREMENTS.

**STATUS ABBREVIATIONS**

RMV: TO BE REMOVED  
 RMN: TO REMAIN  
 REL: TO BE RELOCATED  
 ADD: TO BE ADDED

**CABLE LENGTHS FOR JUMPERS**

JUNCTION BOX TO RRU: 15'  
 RRU TO ANTENNA: 10'

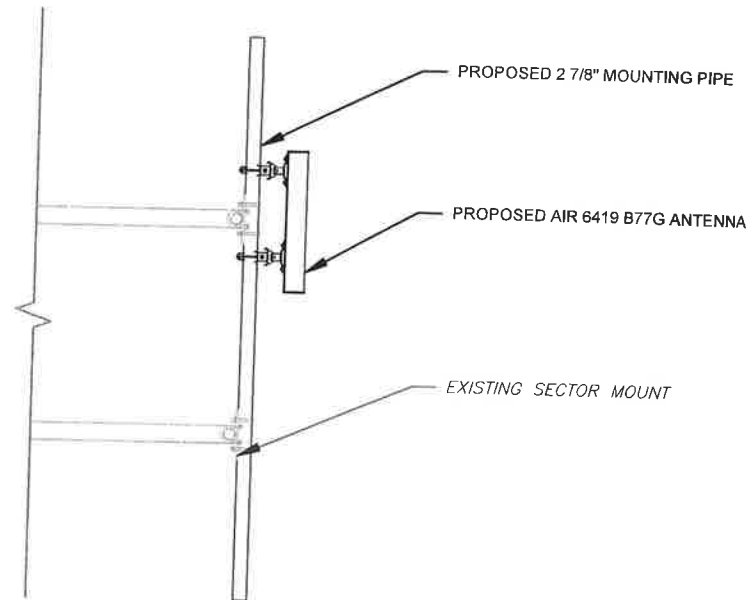
FINAL ANTENNA SCHEDULE										
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY			
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS	
ALPHA	54°-0"	10°	A1	NNH4-65C-R6	LTE 700/LTE 1900/ LTE AWS	0°	RMN	(1) 4490 B5/B12A (1) 4471 B30	ADD ADD	
			A2	AIR6472 B77G B77M	5G CBAND/5G DOD	0°	ADD	-	-	
	54°-0"	A3	NNH4-65C-R6	LTE 850/5G 850/ LTE 1900/LTE AWS	0°	RMN	(1) 4890 B25/B66A (1) 4494 B14/B29	ADD ADD		
		A4	-	-	-	-	-	-		
BETA	54°-0"	110°	B1	NNH4-65C-R6	LTE 700/LTE 1900/ LTE AWS	0°	RMN	(1) 4490 B5/B12A (1) 4471 B30	ADD ADD	
			B2	AIR6472 B77G B77M	5G CBAND/5G DOD	0°	ADD	-	-	
	54°-0"	B3	NNH4-65C-R6	LTE 850/5G 850/ LTE 1900/LTE AWS	0°	RMN	(1) 4890 B25/B66A (1) 4494 B14/B29	ADD ADD		
		B4	-	-	-	-	-	-		
GAMMA	54°-0"	290°	C1	NNH4-65C-R6	LTE 700/LTE 1900/ LTE AWS	0°	RMN	(1) 4490 B5/B12A (1) 4471 B30	ADD ADD	
			C2	AIR6472 B77G B77M	5G CBAND/5G DOD	0°	ADD	-	-	
	54°-0"	C3	NNH4-65C-R6	LTE 850/5G 850/ LTE 1900/LTE AWS	0°	RMN	(1) 4890 B25/B66A (1) 4494 B14/B29	ADD ADD		
		C4	-	-	-	-	-	-		

EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC/RET	FIBER	STATUS
(3) DC6-48-60-18-8F	RMN	(10) 7/8"	(6) 0.78" (19.7 MM) 8 AWG 6	(3) 0.39" (10 MM) TRUNK	RMN
-	-	(1) 5/8"	(1) 3/8" (0.38" - 9.5 MM) RET	-	RMN
-	-	(4) EWP90	-	-	RMN

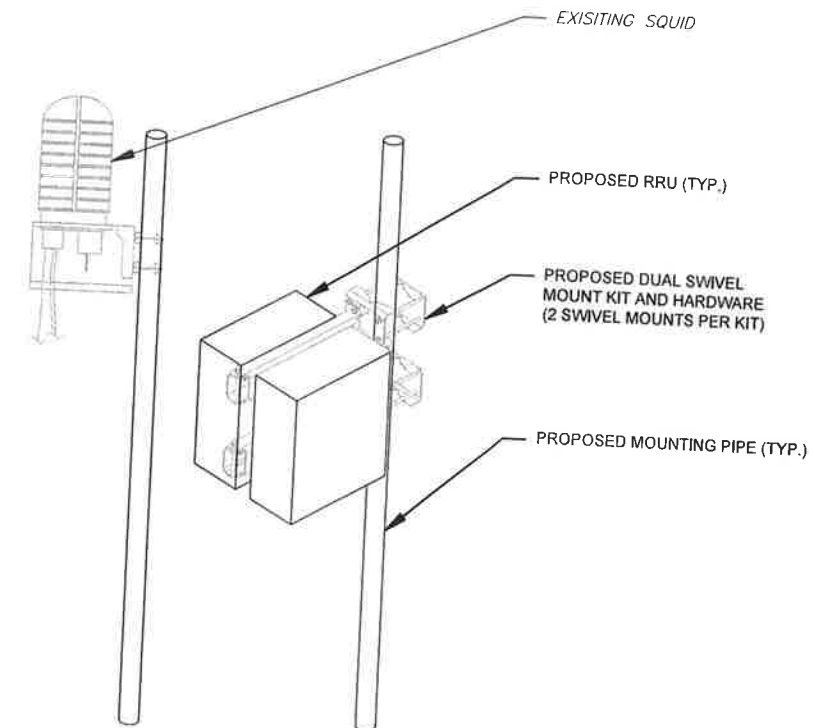
### 1 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION/SQUID		FINAL CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC/RET	FIBER	STATUS
(3) DC6-48-60-18-8F	RMN	(10) 7/8"	(6) 0.78" (19.7 MM) 8 AWG 6	(3) 0.39" (10 MM) TRUNK	RMN
-	-	(1) 5/8"	(1) 3/8" (0.38" - 9.5 MM) RET	-	RMN
-	-	(4) EWP90	-	-	RMN

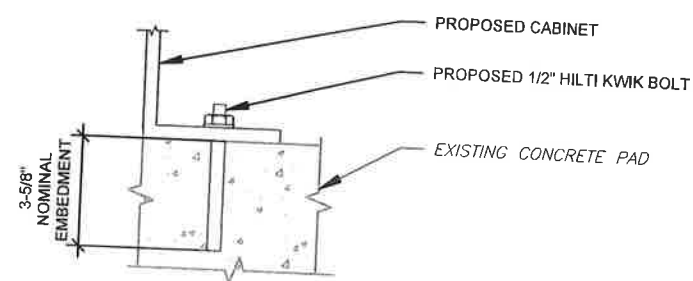




1 PROPOSED 5G ANTENNA MOUNTING DETAIL  
SCALE: N.T.S.



2 PROPOSED RRU & SQUID MOUNTING DETAIL  
SCALE: N.T.S.



NOTE:  
INSTALL HILTI KWIK BOLT ANCHORS STRICTLY PER  
INSTALLATION INSTRUCTIONS INCLUDED WITH PRODUCT OR  
FOUND ONLINE AT WWW.US.HILTI.COM. PROPER  
INSTALLATION IS CRITICAL FOR FULL PERFORMANCE.

3 PROPOSED CABINET ATTACHMENT DETAIL  
SCALE: N.T.S.

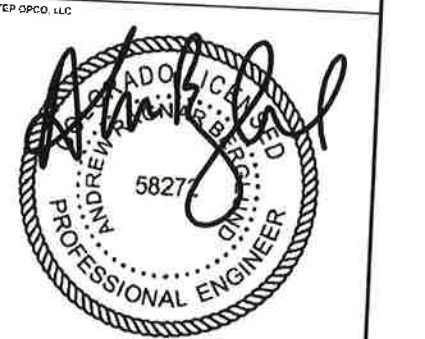


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0	100% CONSTRUCTION	GV	12/02/24

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ATC SITE NAME: CANON CITY CO 2  
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AT&T MOBILITY SITE NAME:  
CANYON CITY (SPECTRASITE 6)  
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CUSTOMER ID:	SICO002172

CONSTRUCTION  
DETAILS

SHEET NUMBER: <b>C-501</b>	REVISION: <b>0</b>
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**AC POWER PANEL A (EXISTING)**  
120/240 VOLTS, 1-PHASE, 3-WIRE, 200A

DESCRIPTION	MAIN BREAKER RATING (A)				200		SYSTEM VOLTAGE (V)				DESCRIPTION
	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	
RECTIFIER 5	1170	c	30/2	1	1170		2	60/2	c	0	TVSS
	1170	c		3		1170	4		c	0	
LIGHT	300	nc	20/1	5	1065		6	20/1	nc	180	GFCI
CABINET HVAC	1600	c	20/2	7		2770	8	30/1	c	585	RECTIFIER 6
	1600	c		9	2185		10	30/1	c	585	RECTIFIER 6
ARGUS EQUIP INPUT	1920	nc	20/1	11		3090	12	30/2	c	1170	RECTIFIER 7
RECTIFIER 1	1170	c	30/2	13	2340		14		c	1170	BLANK
	1170	c		15		2340	16	c	1170	RECT 2	
RECTIFIER 4	585	c	20/1	17	2340		18	30/2	c	1170	RECT 3
RECTIFIER 4	585	c	20/1								
DEHYDRATOR	720	c	15/1	19		3040	20	20/1	c	1600	MICROWAVE CABINET
	720	c	15/1								
<b>PHASE TOTALS (VA):</b>					<b>9100</b>	<b>12410</b>					
<b>PHASE TOTALS (A):</b>					<b>76</b>	<b>103</b>					
CURRENT PER PHASE W/ 125% Continuous Loads (A):					68	98	Amperes/phase cannot exceed main breaker rating				
PANEL TOTAL (VA):					21510		Legend: c = continuous, nc = non-continuous				
PANEL TOTAL W/ 125% Continuous Loads (VA):					19920						

① EXISTING AC PANEL  
SCALE: N.T.S.

**AC POWER PANEL A (PROPOSED)**  
120/240 VOLTS, 1-PHASE, 3-WIRE, 200A

DESCRIPTION	MAIN BREAKER RATING (A)				200		SYSTEM VOLTAGE (V)				DESCRIPTION
	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	
VERTIV RECTIFIER 1 & 2	1500	c	30/2	1	1500		2	60/2	c	0	TVSS
	1500	c		3		1500	4		c	0	
LIGHT	300	nc	20/1	5	480		6	20/1	nc	180	GFCI
CABINET HVAC	1600	c	20/2	7		3100	8	30/2	c	1500	VERTIV RECTIFIER 7 & 8
	1600	c		9	3100		10		c	1500	
VERTIV RECTIFIER 3 & 4	1500	c	30/2	11		3000	12	30/2	c	1500	VERTIV RECTIFIER 9 & 10
	1500	c		13	3000		14		c	1500	
VERTIV RECTIFIER 5 & 6	1500	c	30/2	15		2250	16	30/2	c	750	VERTIV RECTIFIER 11
	1500	c		17	2250		18		c	750	
DEHYDRATOR	720	c	15/1	19		3040	20	20/1	c	1600	MICROWAVE CABINET
	720	c	15/1								
<b>PHASE TOTALS (VA):</b>					<b>10330</b>	<b>12890</b>					
<b>PHASE TOTALS (A):</b>					<b>86</b>	<b>107</b>					
CURRENT PER PHASE W/ 125% Continuous Loads (A):					107	119	Amperes/phase cannot exceed main breaker rating				
PANEL TOTAL (VA):					23220		Legend: c = continuous, nc = non-continuous				
PANEL TOTAL W/ 125% Continuous Loads (VA):					27105						

② PROPOSED AC PANEL  
SCALE: N.T.S.



PLANS PREPARED BY:



326 TRYON ROAD  
RALEIGH, NC 27603-3530  
OFFICE: (919) 661-6351  
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REV.	DESCRIPTION	BY	DATE
△	PRELIMINARY	APM	11/22/24
△	100% CONSTRUCTION	GV	12/02/24
△			
△			
△			

ATC SITE NUMBER: 302446  
ATC SITE NAME: CANYON CITY CO 2  
AT&T MOBILITY SITE NUMBER:  
SICO002172  
AT&T MOBILITY SITE NAME:  
CANYON CITY (SPECTRASITE 6)  
SITE ADDRESS:  
S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18 N  
CANYON CITY, CO 81524-9763



SEAL: 12/02/24

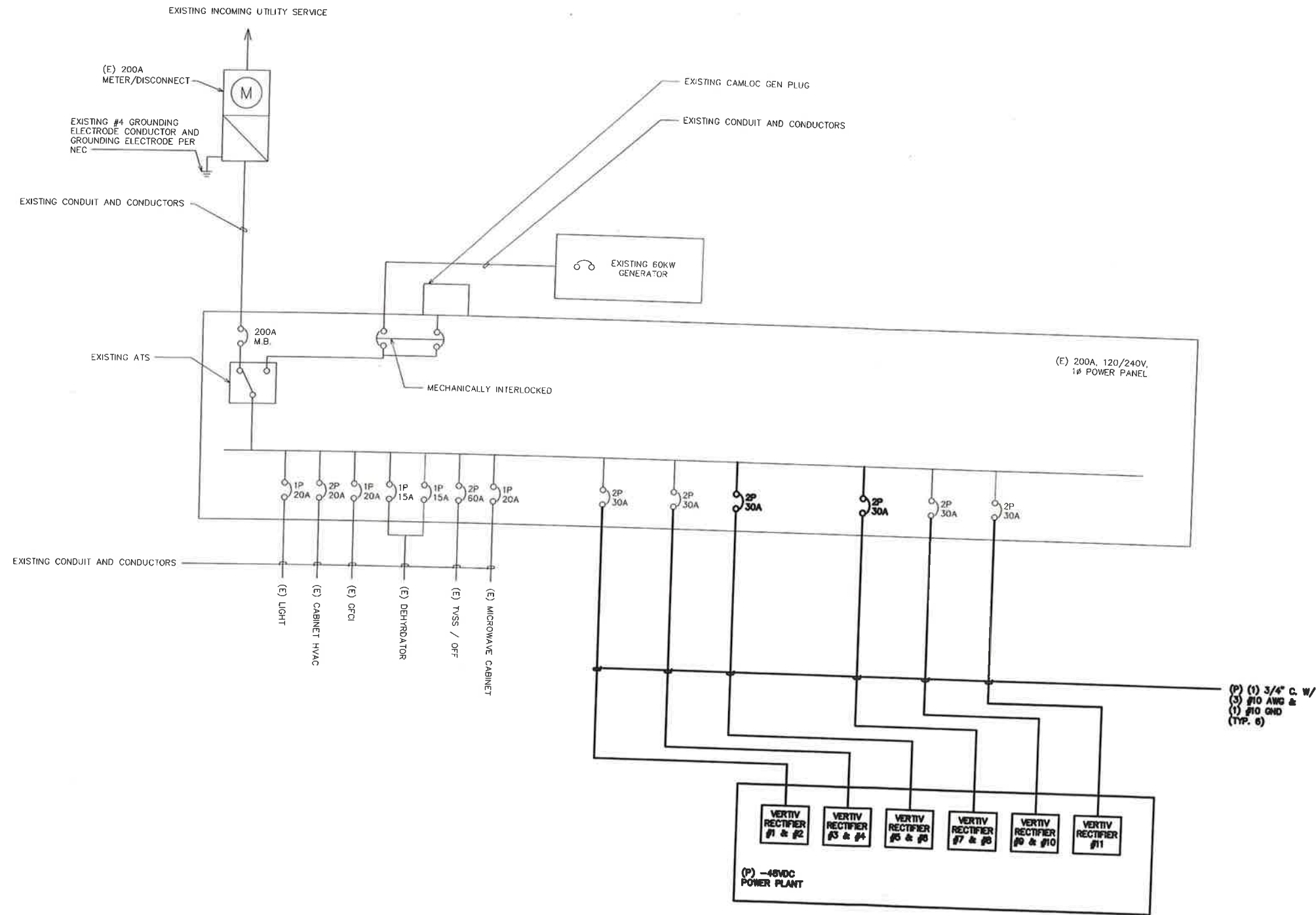


DATE DRAWN:	12/02/24
ATC JOB NO:	14872928
CUSTOMER NAME:	CANYON CITY (SPECTRASITE 6)
CUSTOMER ID:	SICO002172

**ELECTRICAL PANELS**

SHEET NUMBER:	REVISION:
<b>E-101</b>	<b>0</b>

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LEGEND:  
 (E) - EXISTING  
 (N) - NEW  
 (F) - FUTURE

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



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REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	11/22/24
0	100% CONSTRUCTION	GV	12/02/24

ATC SITE NUMBER: 302446  
 ATC SITE NAME: CANON CITY CO 2  
 AT&T MOBILITY SITE NUMBER:  
 SICO002172  
 AT&T MOBILITY SITE NAME:  
 CANYON CITY (SPECTRASITE 6)  
 SITE ADDRESS:  
 S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 10 N  
 CANON CITY, CO 81212-8763



SEAL: 12/02/24

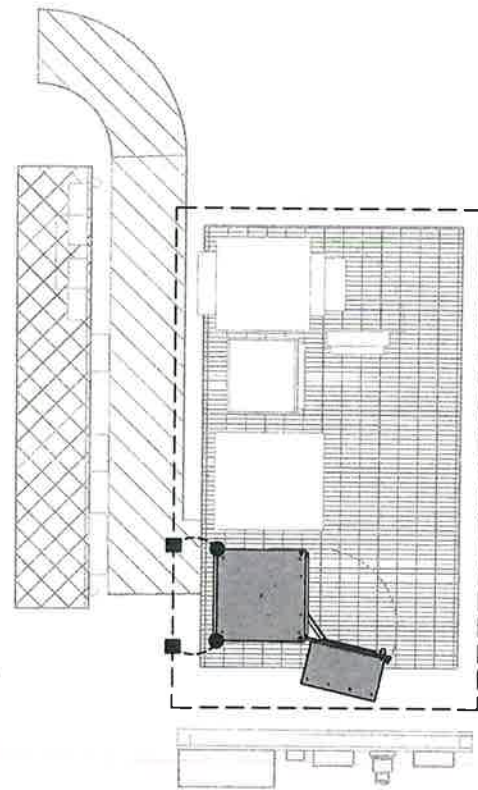


DATE DRAWN:	12/02/24
ATC JOB NO:	14872928
CUSTOMER NAME:	CANYON CITY (SPECTRASITE 6)
CUSTOMER ID:	SICO002172

ONE-LINE DIAGRAM

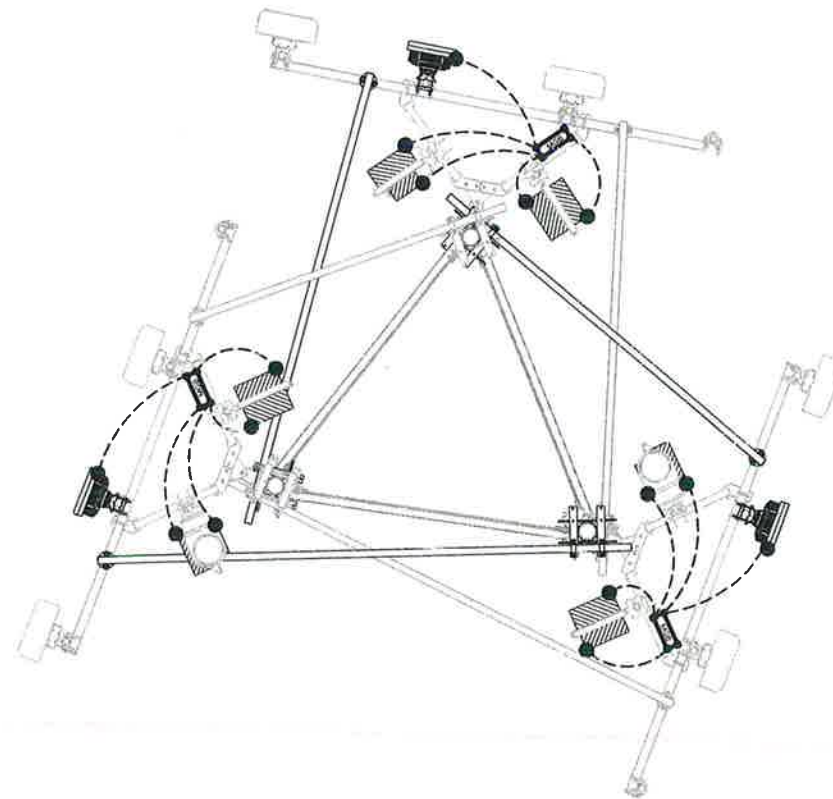
SHEET NUMBER: E-102	REVISION: 0
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LEGEND	
	EXOTHERMIC CONNECTION
	MECHANICAL CONNECTION
	ANTENNA GROUND BAR
	MASTER GROUND BAR

1 EQUIPMENT GROUNDING PLAN  
SCALE: N.T.S



LEGEND	
	EXOTHERMIC CONNECTION
	MECHANICAL CONNECTION
	ANTENNA GROUND BAR
	MASTER GROUND BAR

2 ANTENNA GROUNDING PLAN  
SCALE: N.T.S



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REV.	DESCRIPTION	BY	DATE
△	PRELIMINARY	APM	11/22/24
△	100% CONSTRUCTION	GV	12/02/24
△			
△			
△			

ATC SITE NUMBER: 302446  
ATC SITE NAME: CANON CITY CO 2  
AT&T MOBILITY SITE NUMBER:  
SICO002172  
AT&T MOBILITY SITE NAME:  
CANYON CITY (SPECTRASITE 6)  
SITE ADDRESS:  
S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18 N  
CANON CITY, CO 81242-9763



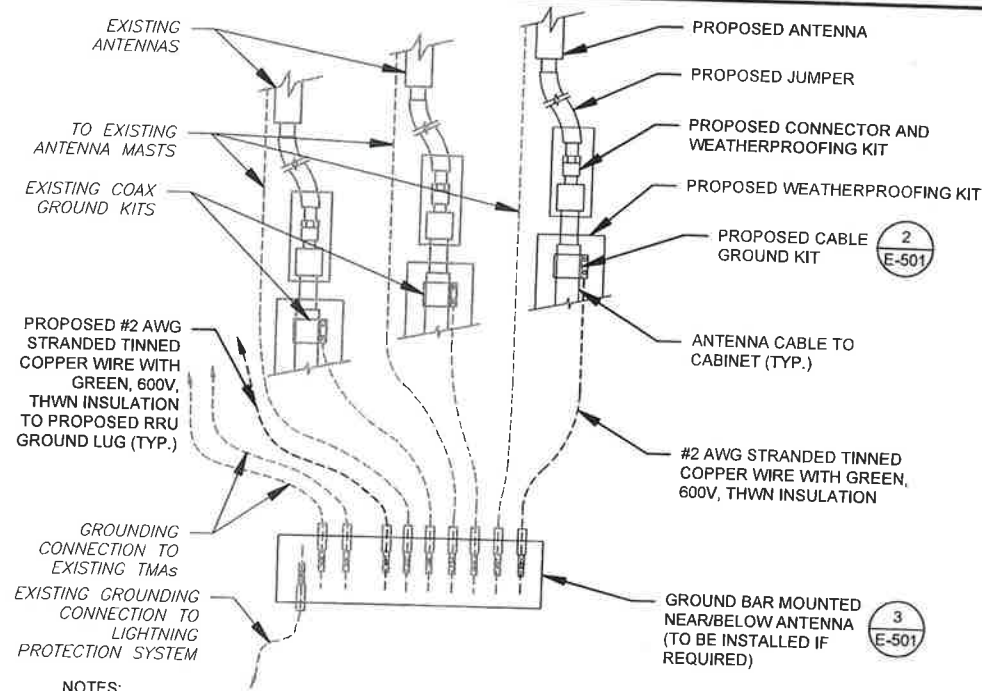
SEAL: 12/02/24



DATE DRAWN:	12/02/24
ATC JOB NO:	14872928
CUSTOMER NAME:	CANYON CITY (SPECTRASITE 6)
CUSTOMER ID:	SICO002172

GROUNDING PLAN

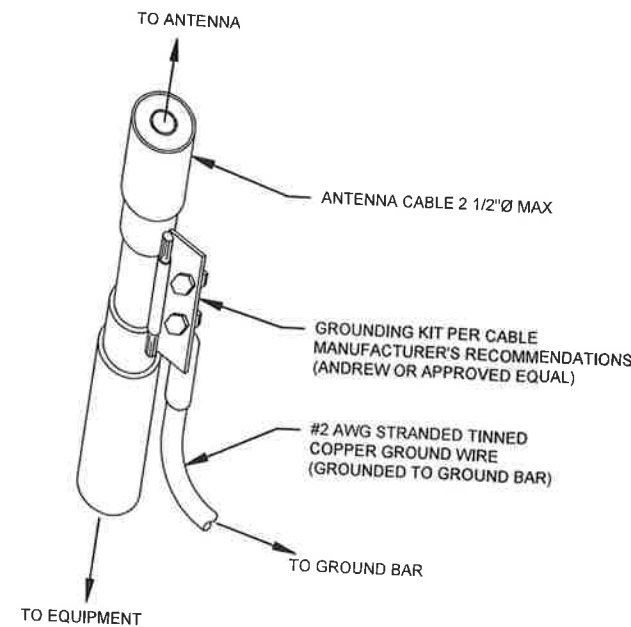
SHEET NUMBER:	REVISION:
E-103	0



**NOTES:**

1. 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.

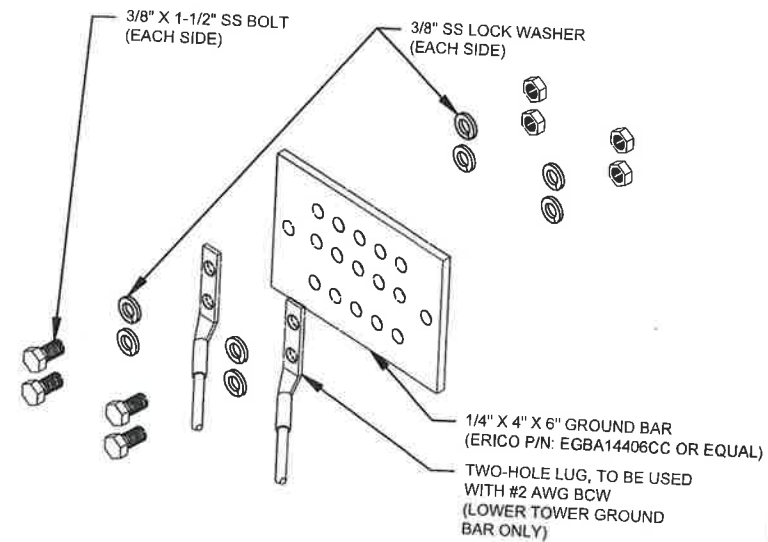
**1 TYPICAL ANTENNA GROUNDING DIAGRAM**  
SCALE: N.T.S.



**GROUND KIT NOTES:**

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

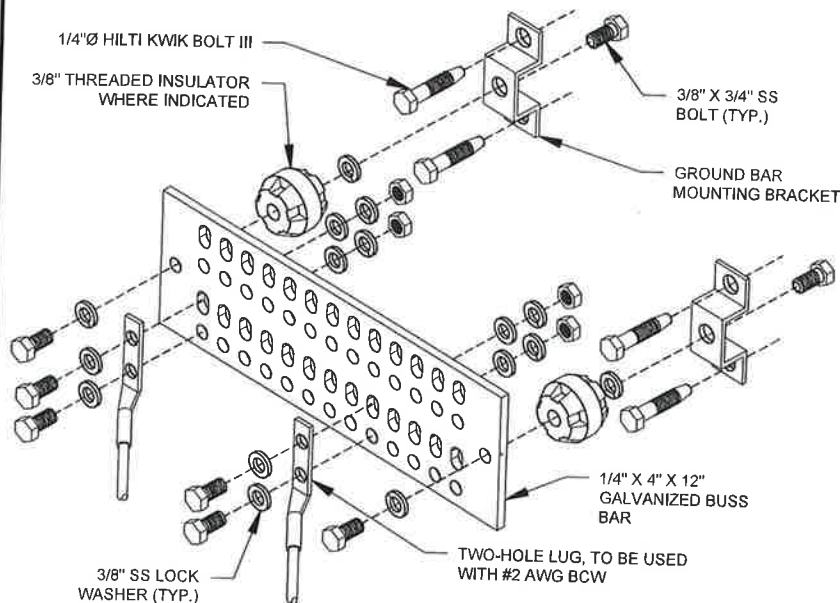
**2 CABLE GROUND KIT CONNECTION DETAIL**  
SCALE: N.T.S.



**GROUND BAR NOTES:**

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

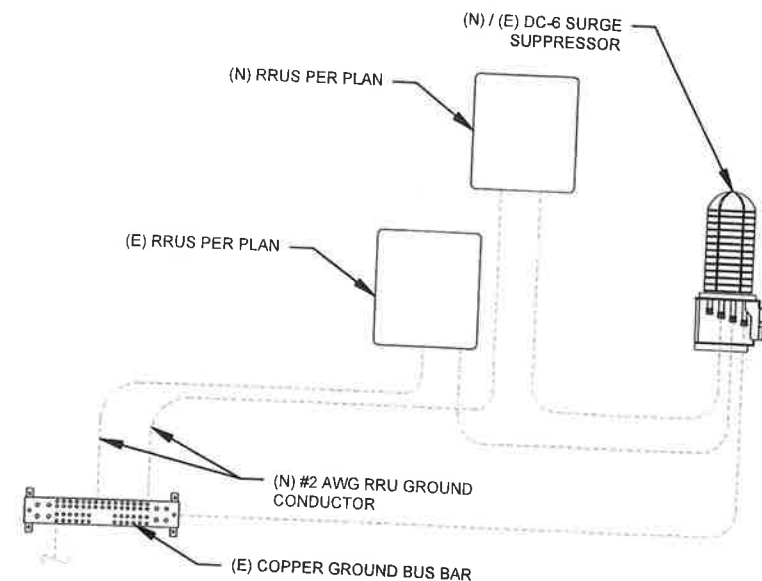
**3 TOWER GROUND BAR DETAIL**  
SCALE: N.T.S.



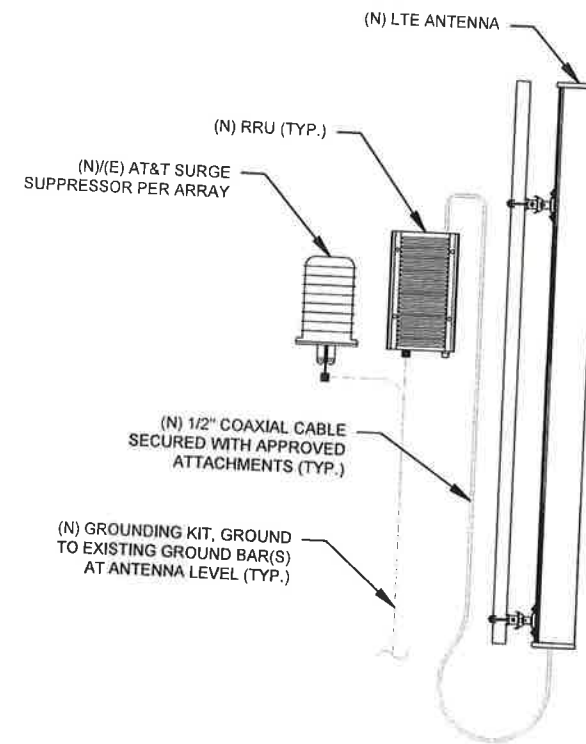
**GROUND BAR NOTES**

1. 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.

**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:



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REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	11/22/24
B	100% CONSTRUCTION	GV	12/02/24

ATC SITE NUMBER: 302446

ATC SITE NAME: CANON CITY CO 2

AT&T MOBILITY SITE NUMBER:

SICO002172

AT&T MOBILITY SITE NAME:

CANYON CITY (SPECTRASITE 6)

SITE ADDRESS:

S 1/2 OF NW 1/4 OF SECTION 25 TOWNSHIP 18N  
CANON CITY, CO 81202-8763



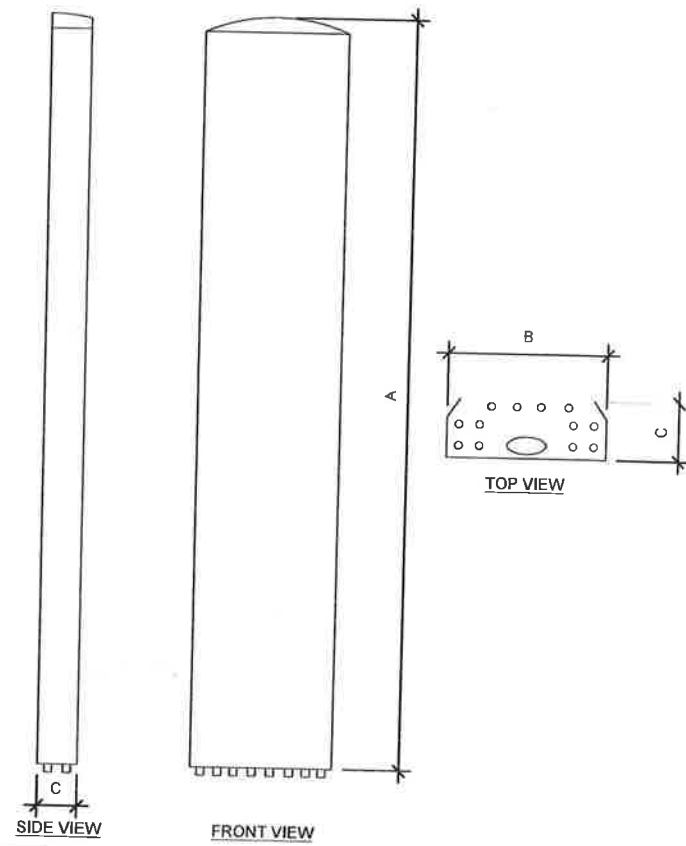
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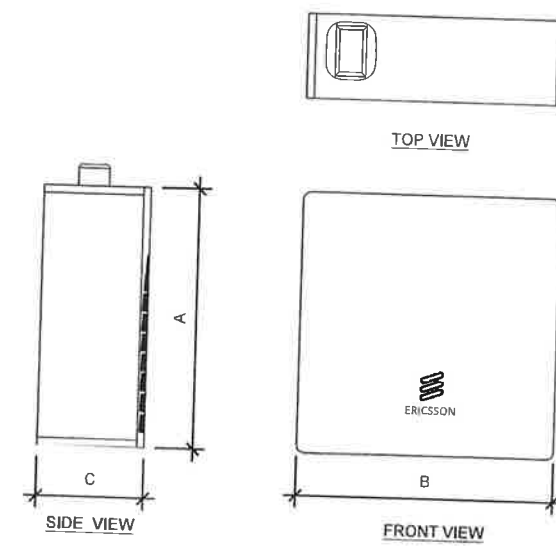
DATE DRAWN:	12/02/24
ATC JOB NO:	14872928
CUSTOMER NAME:	CANYON CITY (SPECTRASITE 6)
CUSTOMER ID:	SICO002172

**GROUNDING DETAILS**

SHEET NUMBER:	REVISION:
E-501	0



ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
AIR6472 B77G B77M	36.4"	16.1"	7.5"	92.6

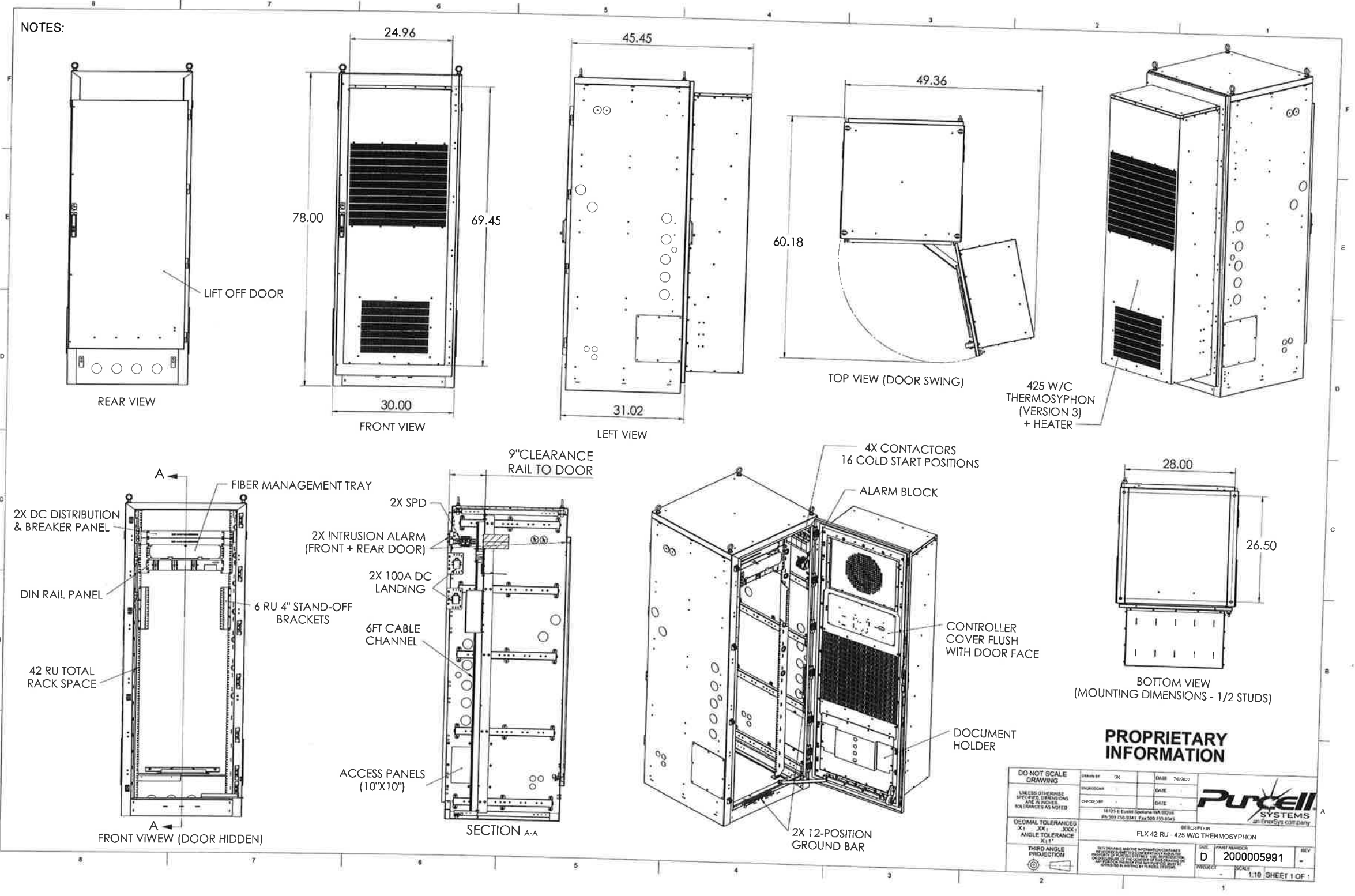


RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
4490 B5/B12A	17.5"	15.1"	6.8"	68.3
4471 B30	14.2"	10.3"	5.1"	28.7
4890 B25/B66A	17.5"	15.2"	7.0"	69.5
4494 B14/B29	17.5"	15.1"	5.6"	57.3

**EQUIPMENT SPECIFICATIONS**  
SCALE: N.T.S.

**SUPPLEMENTAL**

SHEET NUMBER: **R-601** REVISION: -



1 PROPOSED FLX42 CABINET DETAIL  
SCALE: N.T.S.

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL	
SHEET NUMBER: <b>R-602</b>	REVISION: -

# Pxxx: Bulk Pipe



A valmont COMPANY

Part #	Length	OD x Length (in)
<b>Schedule 40</b>		
P260	5'-0"	2-3/8" x 60"
P263	5'-3"	2-3/8" x 63"
P272	6'-0"	2-3/8" x 72"
P284	7'-0"	2-3/8" x 84"
P296	8'-0"	2-3/8" x 96"
P2108	9'-0"	2-3/8" x 108"
P2120	10'-0"	2-3/8" x 120"
P2126	10'-6"	2-3/8" x 126"
P2150	12'-6"	2-3/8" x 150"
P2174	14'-6"	2-3/8" x 174"
P2252	21'-0"	2-3/8" x 252"
P3072	6'-0"	2-7/8" x 72"
P3084	7'-0"	2-7/8" x 84"
P3096	8'-0"	2-7/8" x 96"
P30108	9'-0"	2-7/8" x 108"
P30120	10'-0"	2-7/8" x 120"
P30126	10'-6"	2-7/8" x 126"
P30150	12'-6"	2-7/8" x 150"
P30174	14'-6"	2-7/8" x 174"
P30252	21'-0"	2-7/8" x 252"
P360	5'-0"	3-1/2" x 60"
P372	6'-0"	3-1/2" x 72"
P384	7'-0"	3-1/2" x 84"
P396	8'-0"	3-1/2" x 96"
P3150	12'-6"	3-1/2" x 150"
P3160	13'-4"	3-1/2" x 160"
P3174	14'-6"	3-1/2" x 174"
P3216	18'-0"	3-1/2" x 216"
P3252	21'-0"	3-1/2" x 252"
P472	6'-0"	4-1/2" x 72"
P4126	10'-6"	4-1/2" x 126"
P4252	21'-0"	4-1/2" x 252"



**Features:**

- Factory cut end, hot-dip galvanized pipe

**Construction:**

- ASTM A53 Grade B
- Schedule 40 or Schedule 80

**Design Criteria:**

- ASTM A53 Grade B (Yield Fy = 35 ksi [240 MPa]/ Tensile Fu = 60 ksi [415 MPa])
- Hot dip galvanized in accordance with ASTM A123 requirements

Part #	Length	OD x Length (in)
<b>Schedule 80</b>		
P2252-80	21'	2-1/2" x 252"
P30126-80	10'-6"	2-7/8" x 126"
P30252-80	21'	2-7/8" x 252"
P3252-80	21'	3-1/2" x 252"

created on: 03/09/2023

SitePro1.com

888-438-7761

**1 PROPOSED MOUNT PIPE DETAIL**

SCALE: N.T.S.

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SUPPLEMENTAL

SHEET NUMBER:

R-603

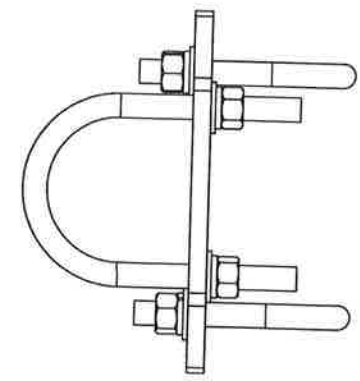
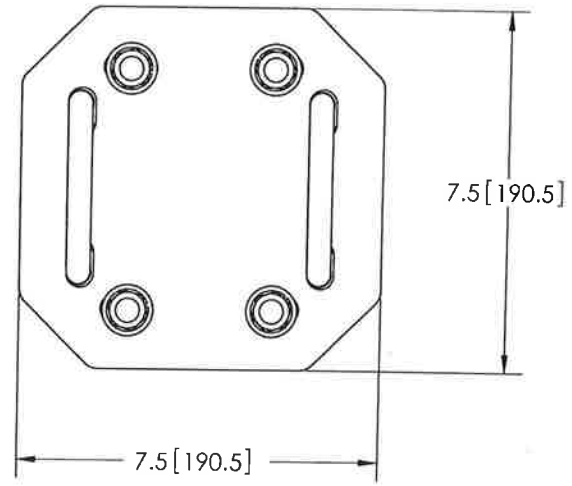
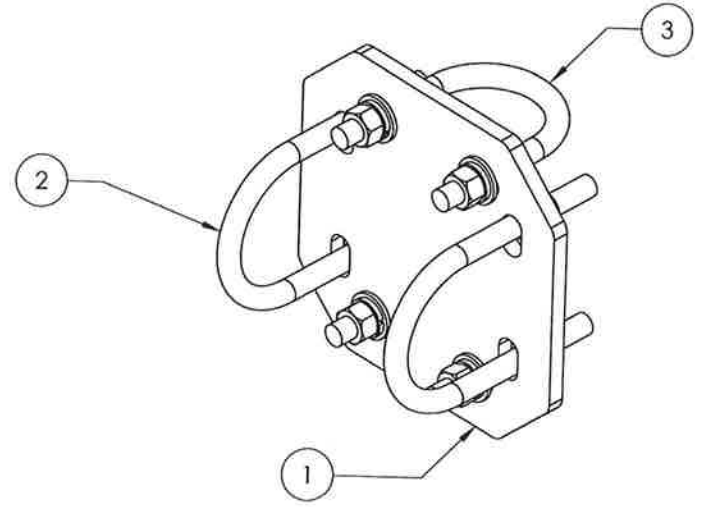
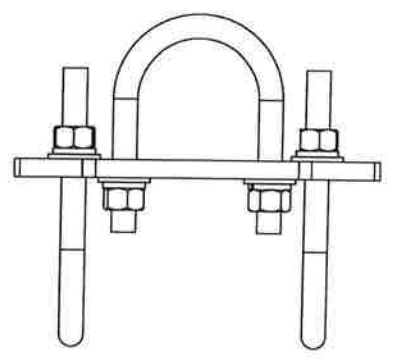
REVISION:

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ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT
1	XP202002	CROSSOVER PLATE 2" O.D. TO 2-3/8" O.D.	1	5.05 LBS
2	GUB-4352	1/2" X 3" X 5-1/4" GALV U-BOLT	2	0.72 LBS
3	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	2	0.72 LBS

REVISIONS				
REV.	ZONE	DESCRIPTION	BY	DATE
A		INITIAL RELEASE	MSM	08/20/10



NOTES:  
1. ALL METRIC DIMENSIONS ARE IN BRACKETS.

<small>These drawings and specifications are the proprietary property of ANDREW CORPORATION and may be used only for the specific purpose authorized in writing by Andrew Corporation.</small>		DRAWN BY: MSM CHECKED BY: TP DATE: 08/20/10 REVISION: A	SHEET: 1 of 1 SCALE: NTS SYSTEM: A36 DRAWING: GALV A123 WEIGHT: 8.23 LBS	PART NUMBER: XP-2025 DESCRIPTION: Crossover Plate, 2-3/8" OD x 2-7/8" OD DRAWING TITLE: ASSEMBLY DRAWING  WESTCHESTER, IL. 60154 U.S.A.
--	--	--	--	---

1 PROPOSED CROSSOVER PLATE KIT DETAIL  
SCALE: N.T.S.

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SUPPLEMENTAL

SHEET NUMBER: <b>R-604</b>	REVISION: -
-------------------------------	----------------

# XP-2525



Crossover Plate, joins 2-7/8 in to 2-7/8 in OD round members

## Product Classification

**Product Type** Clamp plate

## General Specifications

**Mounting** Crossover plate

## Dimensions

**Mounting Diameter, maximum** 73.025 mm | 2.875 in

**Mounting Diameter, minimum** 73.025 mm | 2.875 in

**Material Thickness** 9.525 mm | 0.375 in

## Material Specifications

**Material Type** Hot dip galvanized steel

## Packaging and Weights

**Included** Plates | U-bolts

**Packaging quantity** 1

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



Page 1 of 1

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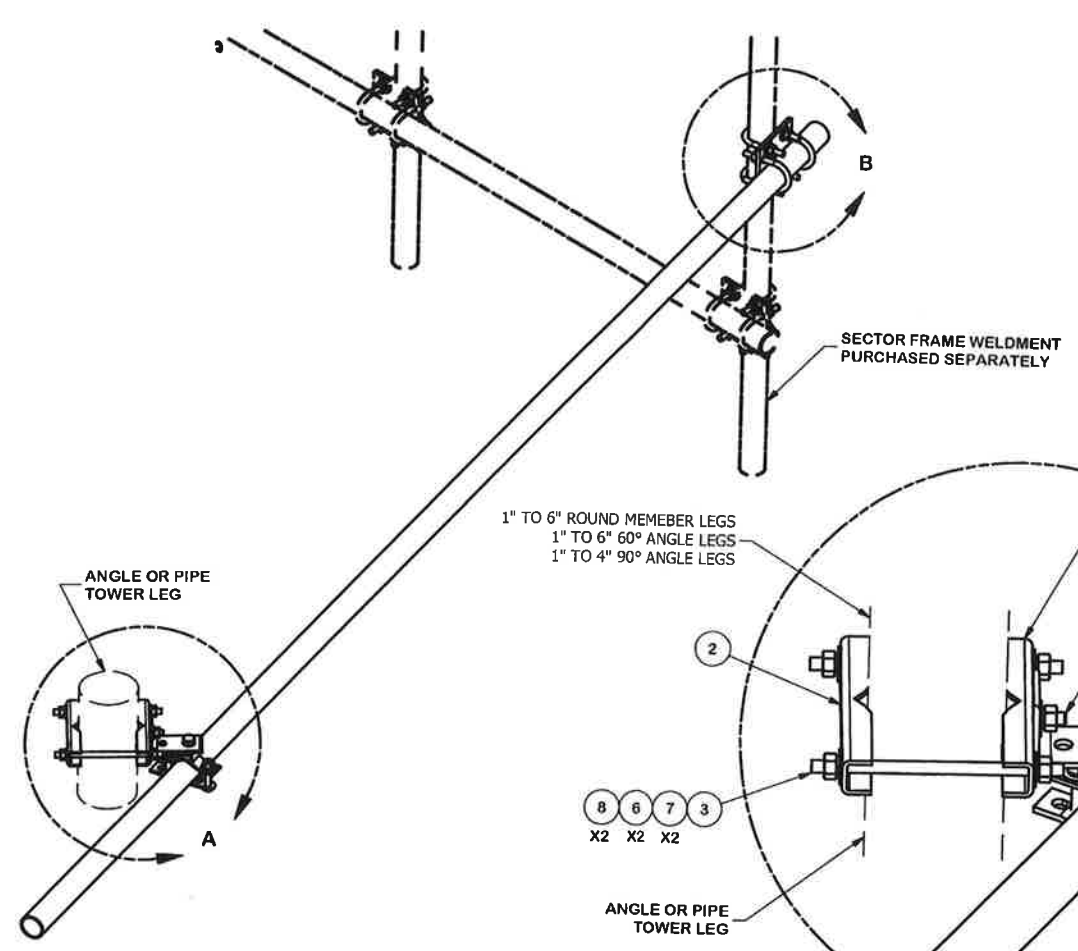
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1 PROPOSED CROSSOVER PLATE KIT DETAIL  
SCALE: N.T.S.

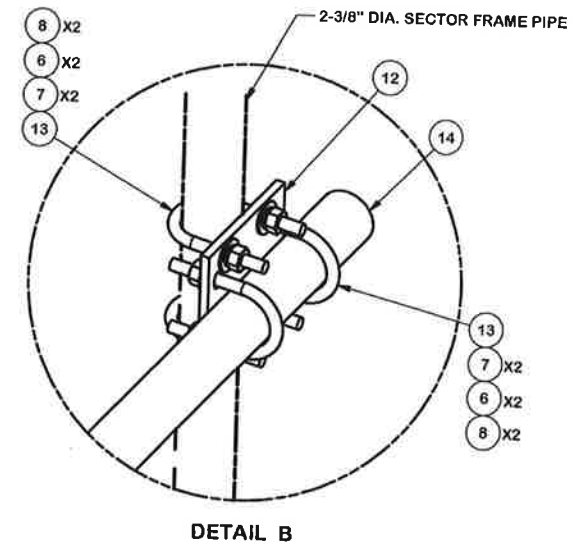
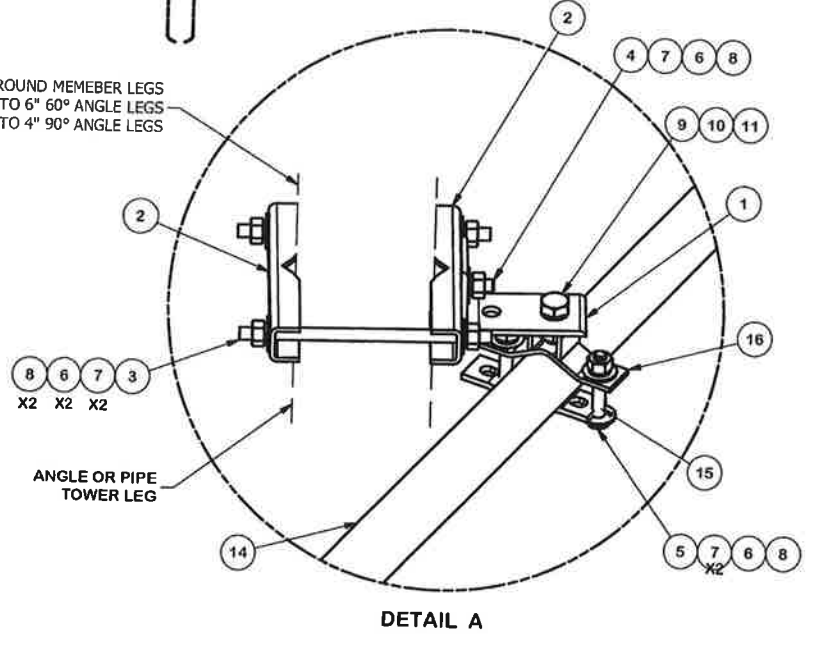
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SUPPLEMENTAL

SHEET NUMBER: <b>R-605</b>	REVISION: -
-------------------------------	----------------



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-STA3	STIFF ARM ANGLE BRACKET	2 1/2 in	1.39	1.39
2	2	X-STU	STIFF ARM CHANNEL BRACKET	8 1/2 in	1.37	2.74
3	2	G12R-10	1/2" x 10" THREADED ROD (HDG.)		0.40	0.80
4	1	G12112	1/2" x 1-1/2" HDG HEX BOLT GR5	1/2 in	0.15	0.15
5	2	G1203	1/2" x 3" HDG HEX BOLT GR5 FULL THREAD	3 in	0.22	0.43
6	15	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.21
7	17	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.58
8	15	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	1.07
9	1	G58112	5/8" x 1-1/2" HDG BOLT	1 1/2 in	0.25	0.25
10	1	G58LW	5/8" HDG LOCKWASHER		0.03	0.03
11	1	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	0.13
12	1	SCX1	CROSSOVER PLATE 2-3/8" X 2-3/8"	6 in	3.71	3.71
13	4	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	2.50
14	1	P2150	2-3/8" O.D. X 150" SCH 40 GALVANIZED PIPE	150 in	45.77	45.77
15	1	ACP	4-1/16" CLAMP HALF, 1/4" THK.	5 3/4 in	0.65	0.65
16	1	SAM	STIFF ARM MOUNT CLAMP		0.77	0.77
					TOTAL WT. #	63.79



**TOLERANCE NOTES**  
 TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
 SAWED, SHEARED AND GAS CUT EDGES ( $\pm 0.030"$ )  
 DRILLED AND GAS CUT HOLES ( $\pm 0.030"$ ) - NO CONING OF HOLES  
 LASER CUT EDGES AND HOLES ( $\pm 0.010"$ ) - NO CONING OF HOLES  
 BENDS ARE  $\pm 1/2$  DEGREE  
 ALL OTHER MACHINING ( $\pm 0.030"$ )  
 ALL OTHER ASSEMBLY ( $\pm 0.080"$ )

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.

DESCRIPTION				Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX
SECTOR FRAME STIFF ARM KIT		Engineering Support Team: 1-888-753-7446		
CPD NO. 4647	DRAWN BY KC8 8/16/2012	ENG. APPROVAL	PART NO. STK-U	PAGE 1 OF 1
CLASS 81	SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY CEK 2/18/2013	
			DWG. NO. STK-U	

1 PROPOSED TIEBACK DETAIL  
 SCALE: N.T.S.

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL	
SHEET NUMBER: <b>R-606</b>	REVISION: -



This report was prepared for American Tower Corporation by



### Antenna Mount Analysis Report

**Mount Type** : 12.5 ft. V-Frame  
**ATC Asset Name** : Canon City CO 2  
**ATC Asset Number** : 302446  
**Engineering Number** : 14872928\_C8\_01  
**Mount Elevation** : 54 ft.  
**Carrier** : AT&T Mobility  
**Carrier Site Name** : Canyon City (Spectrasite 6)  
**Carrier Site Number** : WSUTH0049882  
**Site Location** : S. 1/2 Of Nw 1/4 Of Section 25 Township 18 North  
 Canon City, CO 81212-9763  
 38.4541°, -105.2863°  
**County** : Fremont  
**Date** : November 18, 2024  
**Max Usage** : 66%  
**Result** : Contingent Pass

Prepared By:  
Sheharyar Malik  
Project Engineer

Reviewed By:



- The rough cost estimate, pre-MOD Design, is estimated to be \$10k. Please note, a more refined cost estimate will be provided as part of the Modification document package.
- No structural failures were addressed with the noted contingencies. Contingencies address Carrier's antenna spacing requirements.

If you have any questions or require additional information, please reach out to your American Tower contact. If you do not have an American Tower contact and have an Engineering question, please contact MountAnalysis@americantower.com. Please include the American Tower asset name, asset number, and engineering number in the subject line for any questions.

#### Antenna Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model	
87.0	87.0	1	Andrew Microwaves VHLPX6-11/A	
70.0	70.0	1	Andrew UHX8-107	
		1	Andrew Microwaves VHLPX6-11/A	
54.0	56.5	3	Ericsson AIR 6472 B77G B77M (92.6lbs)	
	55.0	3	Raycap DC6-48-60-18-8C-EV (Enclosure)	
	54.0	54.0	6	Commscope NNH4-65C-R6
			3	Ericsson Radio 4494 44B14 20B29 M01
			3	Ericsson Radio 4471 B30
			3	Ericsson Radio 4890HP 48B2 48B66 S
			3	Ericsson Radio 4490HP B5 B13
34.0	34.0	1	Gabriel QF2-52-N	

#### Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Face Horizontal Pipes	66%	Pass
Support Arms	47%	Pass
Connection Plates	49%	Pass
Verticals	47%	Pass
Diagonals	18%	Pass
Mount Pipes	39%	Pass
Tiebacks	11%	Pass
Equipment Mounting Pipes	9%	Pass
Mount-to-Tower Connections	12%	Pass
Mount-to-Tower Interaction	12%	Pass

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONSTRUCTION.

SUPPLEMENTAL

SHEET NUMBER:  
R-607

REVISION:  
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