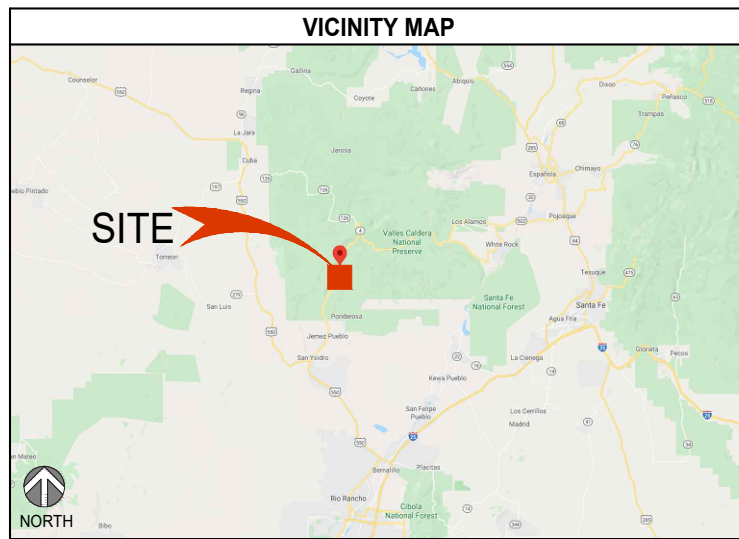
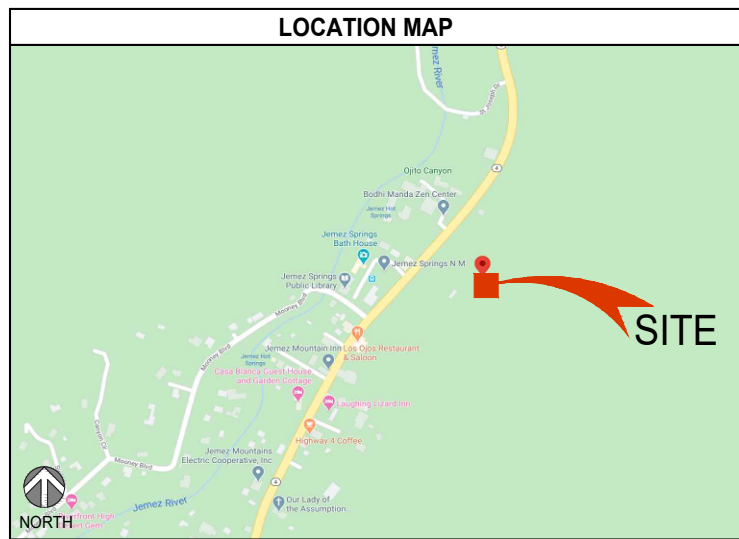



PROJECT: **FIRSTNET**
 SITE NUMBER: **NML02659A**
 FA #: **15061987**
 PACE #: **MRANM032166**
 SITE NAME: **JEMEZ SPRINGS**
 ADDRESS: **17816 HIGHWAY 4**
JEMEZ SPRINGS, NM 87025



REVISIONS			
REV	DATE	DESCRIPTION	INITIALS
G	09/02/20	90% CD FOR REVIEW	YH
H	09/24/21	90% CD FOR REVIEW	YH
I	10/04/21	90% CD FOR REVIEW	YH
J	10/18/21	90% CD FOR REVIEW	YH
K	11/02/21	90% CD FOR REVIEW	YH

PROJECT INFORMATION	
SITE NAME:	JEMEZ SPRINGS
SITE NUMBER:	NML02659A
SITE ADDRESS:	17816 HIGHWAY 4 JEMEZ SPRINGS, NM 87025
JURISDICTION:	JEMEZ SPRINGS
COUNTY:	SANDOVAL
TOWER OWNER:	COMMNET
LATITUDE:	35.771535
LONGITUDE:	-106.688797
CONSTRUCTION TYPE:	V-N
OCCUPANCY:	U
A.P.N.:	1-011-105-503-050
PROPOSED USE:	UNMANNED TELECOMMUNICATION FACILITY
PROPERTY OWNER:	MELVIN L. JOHNSON SR 106 KEIRA CT CORRALES, NM 87048 (505) 899-0246
AT&T PROJECT MANAGER:	ANTHONY V. DROSI PROJECT MANAGER-ALTERNATE BUILD MODEL AT&T MOBILITY 7337 TRADE ST., RM 3684 SAN DIEGO, CA 92121-4202 OFFICE: (858) 886-1255 MOBILE: (858) 337-7968
APPLICANT:	SAC WIRELESS ON BEHALF OF AT&T KRISTINA ROSS (720) 490-2592 kristina.ross@nokia.com

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN NEW MEXICO CALL NEW MEXICO 811

TOLL FREE: 1-800-321-2537 OR www.nm811.org

NEW MEXICO STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE (DAY OF THE CALL NOT INCLUDED)

Know what's below.
Call before you dig.

SCOPE OF WORK
<p>AT&T PROPOSES TO:</p> <ul style="list-style-type: none"> NEW 62'-0" MONOPOLE TOWER ON NEW CONCRETE FOOTING INSTALL (2) NEW AT&T PANEL ANTENNAS INSTALL (2) NEW AT&T RADIOS (AHLBA) INSTALL (2) NEW AT&T RADIOS (AHFIB) INSTALL (1) NEW AT&T ANTENNA MOUNT W/ MOUNTING PIPES INSTALL (1) NEW AT&T DC12 SURGE SUPPRESSOR INSTALL (1) NEW AT&T DC9 SURGE SUPPRESSOR INSTALL (1) NEW AT&T FIBER TRUNK 24 PAIR CABLE INSTALL (3) NEW AT&T DC TRUNK CABLES INSTALL (1) NEW AT&T DELTA 2-BAY EQUIPMENT CABINET INSTALL (1) NEW AT&T ICE-BRIDGE INSTALL (1) NEW AT&T CONCRETE EQUIPMENT PAD INSTALL (1) NEW AT&T H-FRAME INSTALL (1) NEW AT&T METER W/ MAIN SERVICE BREAKER INSTALL (1) NEW AT&T ELECTRICAL PANEL INSTALL (1) NEW AT&T FIBER BOX INSTALL (1) NEW AT&T GENERATOR RECEPTACLE INSTALL (1) NEW AT&T OUTDOOR GFCI OUTLET <p>COMMNET PROPOSES TO:</p> <ul style="list-style-type: none"> REMOVE EXISTING COMMNET 62'-0" MONOPOLE TOWER INSTALL (1) PROPOSED COMMNET ICE BRIDGE INSTALL (1) PROPOSED COMMNET ANTENNA MOUNT W/ MOUNTING PIPES RELOCATE (1) EXISTING COMMNET FTTA BOX RELOCATE (4) EXISTING COMMNET RADIOS (R8882) RELOCATE EXISTING COMMNET ANTENNAS ON NEW MONOPOLE TOWER, PER PLAN

DRIVING DIRECTIONS
<p>DIRECTIONS FROM ALBUQUERQUE INTERNATIONAL SUNPORT:</p> <ol style="list-style-type: none"> HEAD EAST ON SUNPORT BLVD USE THE MIDDLE LANE TO STAY ON SUNPORT BLVD SLIGHT RIGHT TO STAY ON SUNPORT BLVD KEEP LEFT TO STAY ON SUNPORT BLVD USE THE LEFT LANE TO TURN SLIGHTLY LEFT TO STAY ON SUNPORT BLVD USE THE LEFT LANE TO MERGE ONTO SUNPORT LOOP SE KEEP LEFT TO CONTINUE ON SUNPORT BLVD USE THE RIGHT 2 LANES TO TURN RIGHT TO MERGE ONTO I-25 N TOWARD I-40 N/DOWNTOWN/SANTA FE, MERGE ONTO I-25 N USE THE RIGHT 2 LANES TO TAKE EXIT 242 FOR NM-165 E/PLACITAS TOWARD US-550 W/BERNALILLO, CONTINUE ONTO US-550 N, TURN RIGHT ONTO NM-4 E DESTINATION WILL BE ON THE RIGHT

SPECIAL NOTES
<ol style="list-style-type: none"> ALL WORK SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT CARRIER CONSTRUCTION INSTALLATION GUIDE. EXISTING CONDITIONS WILL BE VERIFIED IN FIELD. IF SIGNIFICANT DEVIATIONS OR DETERIORATION ARE ENCOUNTERED AT THE TIME OF CONSTRUCTION, A REPAIR PERMIT WILL BE OBTAINED & CONTRACTOR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY. CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME. THESE DRAWINGS ARE FULL SIZE & SCALEABLE ON 22"x34" SHEET SIZE & ARE NOT REDUCED IN SIZE. STATEMENT THAT COMPLIANCE WITH THE ENERGY CODE IS NOT REQUIRED. -SCOPE OF WORK DOES NOT INVOLVE MODIFICATIONS TO EXTERIOR ENVELOPE OF BUILDING, HVAC SYSTEMS OR ELECTRICAL LIGHTING.

DRAWING INDEX	
SHEET	DESCRIPTION
T-1.0	TITLE SHEET
T-2.0	GENERAL NOTES
T-3.0	AT&T SECTOR COLOR CODE
T-3.1	COMMNET SECTOR COLOR CODE
T-3.2	SURVEY OF EXISTING SITE
A-1.0	OVERALL SITE PLAN
A-1.1	SITE PLAN
A-2.0	AT&T PROPOSED ANTENNA & EQUIPMENT PLANS
A-2.1	COMMNET PROPOSED ANTENNA & EQUIPMENT PLANS
A-3.0	EXISTING & PROPOSED NORTHEAST ELEVATIONS
A-4.0	AT&T EQUIPMENT DETAILS & SPECIFICATIONS
A-4.1	AT&T EQUIPMENT DETAILS & SPECIFICATIONS
A-4.2	AT&T EQUIPMENT DETAILS & SPECIFICATIONS
A-4.3	AT&T EQUIPMENT DETAILS & SPECIFICATIONS
A-4.4	COMMNET EQUIPMENT DETAILS & SPECIFICATIONS
A-4.5	COMMNET EQUIPMENT DETAILS & SPECIFICATIONS
A-4.6	COMMNET EQUIPMENT DETAILS & SPECIFICATIONS
E-1.0	AT&T 1-LINE DIAGRAM & SYMBOLS KEY
G-1.0	AT&T EQUIPMENT & ANTENNA GROUNDING PLANS
G-1.1	COMMNET EQUIPMENT & ANTENNA GROUNDING PLANS
G-2.0	GROUNDING NOTES & DETAILS

GENERAL NOTES
<p>THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.</p>

DO NOT SCALE DRAWINGS
<p>CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.</p>

PROJECT NOTES
<p>FCC: EVERY WIRELESS TELECOMMUNICATIONS FACILITY SHALL MEET THE REGULATIONS OF THE FCC REGARDING PHYSICAL AND ELECTROMAGNETIC INTERFERENCE. THE ONLY SIGNAGE WHICH IS PERMITTED IS THAT WHICH IS REQUIRED BY STATE OR FEDERAL LAW.</p>

CODE COMPLIANCE
<ul style="list-style-type: none"> 2015 INTERNATIONAL BUILDING CODE 2017 NEW MEXICO ELECTRICAL CODES 2015 NEW MEXICO COMMERCIAL BUILDING CODE 2009 NEW MEXICO ENERGY CONSERVATION CODE

"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF NEW MEXICO."

FIRSTNET
 JEMEZ SPRINGS
 NML02659A
 17816 HIGHWAY 4
 JEMEZ SPRINGS, NM 87025

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1.0

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

GENERAL NOTES:

- THIS FACILITY IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS PER NEW MEXICO /INTERNATIONAL BUILDING CODE SECTION 11B-203.5. THIS FACILITY IS NON-OCCUPIABLE SPACE AND ENTERED ONLY BY SERVICE PERSONNEL.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND CONSTRUCTION SPECIFICATIONS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PREVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFORMING THAT THE WORK MAY BE ACCOMPLISH AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WORK.
- DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENT.
- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF THE BUILDING & GROUNDS & SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
- INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACE, EQUIPMENT, IMPROVEMENTS, PIPING, ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
- IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
- REPAIR ALL EXISTING WALL SURFACE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACE.
- SEAL PENETRATION THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
- KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOT, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
- MINIMUM BEND RADIUS OF ANTENNA CABLE SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.
- DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL CONSTRUCTION IS TO ADHERE TO AT&T'S INTEGRATED CONSTRUCTION STANDARDS UNLESS NEW MEXICO CODE IS MORE STRINGENT.
- THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE WITH THE NEW MEXICO BUILDING STANDARDS CODE. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH THE REFERENCED CODE ON SHEET T-1.0, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK.
- GENERAL CONTRACTOR TO ENSURE THAT ALL BUILDING PENETRATIONS ARE SEALED AND WEATHERPROOFED

SITE WORK NOTES:

- DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
- SIZE, LOCATION, AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT OR ENGINEER OF RECORD AT COMPLETION OF PROJECT.
- ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT OR ENGINEER OF RECORD AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORK SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTAL AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPER, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.

- ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

PAINTING NOTES & SPECIFICATIONS:

A. GENERAL

- ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
- CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
- COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
- FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
- ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE AT&T CONSTRUCTION MANAGER.
- PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIT SANDPAPER AND NON-HYDROCARBON WASH. PREPARE GALVANIZED SURFACES BY ACID ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SP1.
- FURNISH DROP CLOTHES, SHIELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
- APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES. APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
- APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
- CONTRACTOR SHALL CORRECT RUNS, SAGS, MISSES AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE AT&T CONSTRUCTION MANAGER. REPAINT AS NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.

B. COATING SYSTEM SPECIFICATIONS

- DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1ML DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
- 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER. PAINT & PRIMER

ANTENNAS - PAINT SHALL BE VERIFIED WITH MANUFACTURER IF ACCEPTABLE
PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22

BTS CABINET
PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
COAXIAL JUMPER CABLES

PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER E61W25 REDUCED 25%
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

RAW STEEL
PRIMER - KEM BOND HS B50WZ4, DMT ACRYLIC PRIMER
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

GALVANIZED METAL
ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)

STAINLESS STEEL
PRIMER - OTM WASH PRIMER, B71Y1
TOPCOATS - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

PRE-PRIMED STEEL
TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, SS0WZ4

ALUMINUM & COPPER
PRIMER - DTM WASH PRIMER, B71Y1
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

CONCRETE MASONRY
PRIMER - PRO MAR EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

CONCRETE STUCCO (EXISTING)
2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

STUCCO
PRIMER - PRO MAR MASONRY CONDITIONED B-46 W21000
TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS

WOOD
PRIMER - A-100 EXTERIOR ALKYD W009D PRIMER Y-24W20
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES

FIELD CUTS/ DAMAGE (PRIOR TO PRIME & PAINT)
FIRST & SECOND COAT - CUPRINOL CLEAR WOOD PRESERVATIVE #158-0356 ALL PENETRATIONS INTO FINISHED GLU-LAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT
STEEL TOUCH UP
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT.

GROUNDING NOTES:

- COMPRESSION CONNECTIONS (2), 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- ALL HARDWARE 18-8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.

- NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
- ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), NEW MEXICO BUILDING STANDARDS AND MANUFACTURER.

FIRE DEPARTMENT NOTES:

- IF FIRE DEPARTMENT FINAL INSPECTION IS REQUIRED, SCHEDULE INSPECTION 2 DAYS IN ADVANCE.
- A NEW MEXICO /INTERNATIONAL FIRE CODE PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.
- A NEW MEXICO /INTERNATIONAL FIRE CODE PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.
- REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE INCH, IN A COLOR THAT CONTRASTS TO THE SIGN BACKGROUND, AND SHALL BE PROMINENTLY DISPLAYED.
- AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM.
- BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.
- CONTRACTOR SHALL VERIFY IN FIELD THE EXISTENCE OR INSTALLATION OF A FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2A-10BC, WITH A CHARGE STATUS ACCEPTABLE TO THE LOCAL FIRE AUTHORITY HAVING JURISDICTION.
- LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE NEW MEXICO INTERNATIONAL FIRE CODE STANDARD 10-1 AND PLACEMENT IS SUBJECT TO APPROVAL OF THE COUNTY BUILDING FIRE INSPECTOR.
- STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.
- EXIT DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADRESSED ON.
- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.
- DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. [NEW MEXICO /INTERNATIONAL FIRE CODE 807.3]

CONCRETE:

PART 1 - GENERAL

- WORK INCLUDES FORMWORK, REINFORCEMENT, ACCESSORIES, CAST-IN-PLACE CONCRETE, FINISHING, AND CURING.
- INSPECTIONS
 - CONTRACTOR IS RESPONSIBLE FOR SCHEDULING BUILDING DEPARTMENT INSPECTIONS REQUIRED FOR THE SCOPE OF WORK BEING PERFORMED.
 - ALL REINFORCING STEEL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND UPLOADED TO TALON VIEW FOR APPROVAL.
- QUALITY ASSURANCE
 - CONSTRUCT AND ERECT CONCRETE FORM WORK IN ACCORDANCE WITH ACI 301 AND ACI 318.
 - PERFORM CONCRETE REINFORCING WORK IN ACCORDANCE WITH ACI 301, ACI 318, AND ASTM A184.
 - PERFORM CAST-IN-PLACE CONCRETE WORK IN ACCORDANCE WITH ACI 301, ACI 318, AND ACI 117-90.
- SUBMITTALS
SUBMIT CONCRETE MIX DESIGN AND REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL BY AT&T CONSTRUCTION MANAGER. THE SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF TWO (2) CONCRETE MIX DESIGN INFORMATION SHEETS AND TWO (2) DRAWINGS FOR REINFORCING STEEL.

PART 2 - PRODUCTS

- REINFORCEMENT MATERIALS
 - REINFORCEMENT STEEL, ASTM A615, 60KSI YIELD GRADE, REINFORCING STEEL RODS, PLAIN FINISH.
 - WELDED STEEL WIRE FABRIC ASTM A185 PLAIN TYPE, IN FLAT SHEETS, PLAIN FINISH.
 - CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS, SIZED AND SHAPED FOR SUPPORTS OF REINFORCING.
 - FABRICATE CONCRETE REINFORCING IN ACCORDANCE WITH ACI 315, AND ACI 318, AND ASTM A184.
- CONCRETE MATERIALS
 - CEMENT: ASTM C150, PORTLAND TYPE.
 - FINE AND COURSE AGGREGATES: ASTM C33 - MAXIMUM SIZE OF CONCRETE AGGREGATE SHALL NOT EXCEED ONE (3/4) INCH SIZE SUITABLE FOR INSTALLATION METHODS UTILIZED FOR ONE-THIRD CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING.
 - WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE.
 - AIR ENTRAINING ADMIXTURE: ASTM C260.
- CONCRETE MIX
PROVIDE CONCRETE AS FOLLOWS:
COMPRESSIVE STRENGTH 2500 PSI AT 28 DAYS. SLUMP : 3 INCHES.

REFERENCED DOCUMENTS:

- CONSTRUCTION DRAWINGS:** 11/13/2019 BY: B+T GROUP
- SCOPE OF WORK:** 02/18/2020 (DATE OF REFERENCE SPREADSHEET)
- SITE VISIT:** 11/12/2019



REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
G	09/02/20	90% CD FOR REVIEW	YH
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K	11/02/21	90% CD FOR REVIEW	YH

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FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

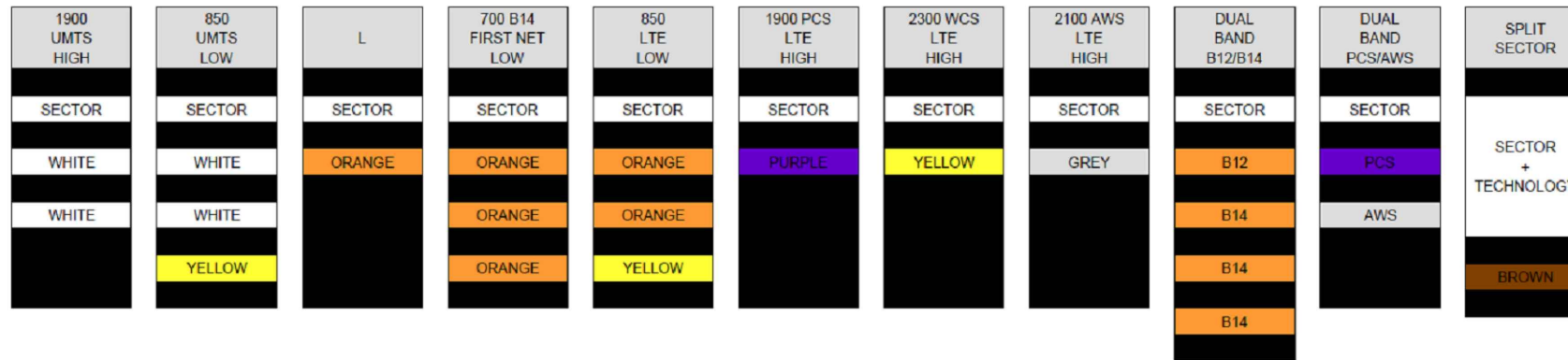
T-2.0

DSW (DESERT SOUTHWEST)

SECTOR COLORS



TECHNOLOGY COLOR CODE



COLOR CODE REPRESENTS ALPHA SECTOR, FIRST MAIN LINE - RED 1, WITH LTE700, WCS, AWS, PCS

1 BROWN STRIPE = SPLIT SECTOR

TECHNOLOGY/JUMPER				QUADPLEXER PORT	TAPE BAND COLOR ON MAINLINE COAX													
1C-LTE 700 TX1/RX1	PORT1	SECTOR		SPLIT	LTE LOW 700 B12	1												
WCS TX1/RX1	PORT2	SECTOR			WCS	4	A		B12	PCS	WCS	AWS	SPLIT					
2C/6C-AWS TX1/RX1	PORT3	SECTOR			AWS	3	A		B12	PCS	WCS	AWS	SPLIT					
2C/5C-PCS TX1/RX1	PORT4	SECTOR			PCS	2												
1C-LTE 700 TX2/RX2	PORT1	SECTOR	SECTOR		LTE LOW 700 B12	1												
WCS TX2/RX2	PORT2	SECTOR	SECTOR		WCS	4	A	A	B12	PCS	WCS	AWS						
2C/6C-AWS TX2/RX2	PORT3	SECTOR	SECTOR		AWS	3	A	A	B12	PCS	WCS	AWS						
2C/5C-PCS TX2/RX2	PORT4	SECTOR	SECTOR		PCS	2												
FIRST NET-LTE 700 TX1/RX1	PORT1	SECTOR	SECTOR	SECTOR		LTE LOW 700 B12	1											
WCS TX3/RX3	PORT2	SECTOR	SECTOR	SECTOR		WCS	4	A	A	A	B14	B14	B14	PCS	WCS	AWS		
2C/6C-AWS TX3/RX3	PORT3	SECTOR	SECTOR	SECTOR		AWS	3	A	A	A	B14	B14	B14	PCS	WCS	AWS		
2C/5C-PCS TX3/RX3	PORT4	SECTOR	SECTOR	SECTOR		PCS	2											
FIRST NET-LTE 700 TX2/RX2	PORT1	SECTOR	SECTOR	SECTOR	SECTOR	LTE LOW 700 B12	1											
WCS TX4/RX4	PORT2	SECTOR	SECTOR	SECTOR	SECTOR	WCS	4	A	A	A	A	B14	B14	B14	PCS	WCS	AWS	
2C/6C-AWS TX4/RX4	PORT3	SECTOR	SECTOR	SECTOR	SECTOR	AWS	3	A	A	A	A	B14	B14	B14	PCS	WCS	AWS	
2C/5C-PCS TX4/RX4	PORT4	SECTOR	SECTOR	SECTOR	SECTOR	PCS	2											



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K	11/02/21	90% CD FOR REVIEW	YH

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FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE
SECTOR COLOR CODE

SHEET NUMBER
T-3.0

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COMMNET COLOR CODE

Cable Color Code Schedule

Technology	Cable Type	Tape Color	Comments	
LTE	Power Trunk	1 Orange Wrap	Additional Power or Fiber Trunks for LTE, Add 1 Additional Wrap	
LTE	Fiber Trunk	1 Orange Wrap		
GSM/UMTS	Power Trunk	1 Yellow Wrap	Additional Power or Fiber Trunks for GSM/UMTS, Add 1 Additional Wrap	
GSM/UMTS	Fiber Trunk	1 Yellow Wrap		
CDMA/EVDO	Power Trunk	1 Green Wrap	Additional Power or Fiber Trunks for CDMA, Add 1 Additional Wrap	
CDMA/EVDO	Fiber Trunk	1 Green Wrap		
UMTS	Power Trunk	1 Purple Wrap	Additional Power or Fiber Trunks for UMTS, Add 1 Additional Wrap	
UMTS	Fiber Trunk	1 Purple Wrap		
EVDO	Power Trunk	1 White Wrap	Additional Power or Fiber Trunks for DO, Add 1 Additional Wrap	
EVDO	Fiber Trunk	1 White Wrap		
Technology	Cable Type	Tape Color	Comments	
LTE	Power Jumper	1 Orange + Freq+Sector		
LTE	Fiber Jumper	1 Orange + Freq+Sector		
GSM/UMTS	Power Jumper	1 Yellow + Freq+Sector		
GSM/UMTS	Fiber Jumper	1 Yellow + Freq+Sector		
CDMA/EVDO	Power Jumper	1 Green + Freq+Sector		
CDMA/EVDO	Fiber Jumper	1 Green + Freq+Sector		
UMTS	Power Jumper	1 Purple + Freq+Sector		
UMTS	Fiber Jumper	1 Purple + Freq+Sector		
EVDO	Power Jumper	1 White + Freq+Sector		
EVDO	Fiber Jumper	1 White + Freq+Sector		
Frequency	Color	Technology	Cable Type	Tape Color
700	Black/Blank	LTE	RET	1 Orange + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
850	Grey	GSM/UMTS	RET	1 Yellow + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
1900	Brown	CDMA/EVDO	RET	1 Green + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
		UMTS	RET	1 Purple + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
		EVDO	RET	1 White + Sector (additional sector wrap for each additional RET cable, first wrap starts at the RRU)
Sector	Cable Type	Color		
X	Coax Jumper	Red		
Y	Coax Jumper	White		
Z	Coax Jumper	Blue		

RRU P/N Code (Located on RRU tag)	
129555731012	ZXSDR R8882 S8500(B6B) 850 CDMA<E dual mode
129555731009	ZXSDR R8882 S8500 (B6A) 850 standard CDMA only
129555731011	ZXSDR R8882 S1900(B6B) 1900 CDMA<E dual mode
129555731010	ZXSDR R8882 S1900 (B5A) 1900 standard CDMA only

129555731037	850 CDMA R8882 New Single Mode
129555731035	1900 CDMA R8882 New Single Mode

129555731023	ZXSDR R8882 S8500(B6B) - 850 GSM/UMTS
129555731024	ZXSDR R8882 S1900(B6B) - 1900 GSM/UMTS

Example: Color Code for LTE for 700 MHz Power or Fiber Trunk - 1 Orange Wrap, 1 Black or Leave Blank (cable color is already black)

Example: Color Code for GSM/UMTS for 850 MHz Power or Fiber Trunk- 1 Yellow Wrap, 1 Grey



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FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE

COMMNET
SECTOR COLOR CODE

SHEET NUMBER

T-3.1



(IN US FEET)
1 inch = 50ft
GRAPHIC SCALE

25 13 0 25

LEGEND

- RECOVERED MONUMENT AS SHOWN
- 2C - COORDINATE
 - COMPUTED CORNER
 - UTILITY POLE
 - PARCEL A LEASE AREA
 - PARCEL B & C ACCESS AREA DESCRIPTION
 - OVERHEAD UTILITIES
 - FENCE
 - P.O.C. POINT OF COMMENCEMENT
 - P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION

SURVEYOR'S NOTES:

- THIS SURVEY IS A COMPILATION OF INFORMATION PROVIDED OR FOUND IN A PUBLIC RECORD. THERE MAY BE OTHER DOCUMENTS SPECIFYING EASEMENTS, RESTRICTIONS, COVENANTS OR CODES THAT WERE NOT PROVIDED OR ARE NOT KNOWN AT THE TIME OF THE PREPARATION OF THIS EXHIBIT.
- THIS SKETCH IS MEANT TO DEPICT THE PROPERTY DESCRIPTION AND IS FOR INFORMATIONAL PURPOSES ONLY. IT DOES NOT REPRESENT A MONUMENTED LAND SURVEY. THIS DOES NOT CONSTITUTE A TITLE SEARCH BY TOTL SURVEYS, INC. TO DETERMINE OWNERSHIP OR EASEMENTS OF RECORD.

JEMEZ SPRINGS EXHIBIT A

Situated within The Village of Jemez Springs, Canon De San Diego Grant and Projected Section 23, Township 18 North, Range 2 East, N.M.P.M., Sandoval County, New Mexico.

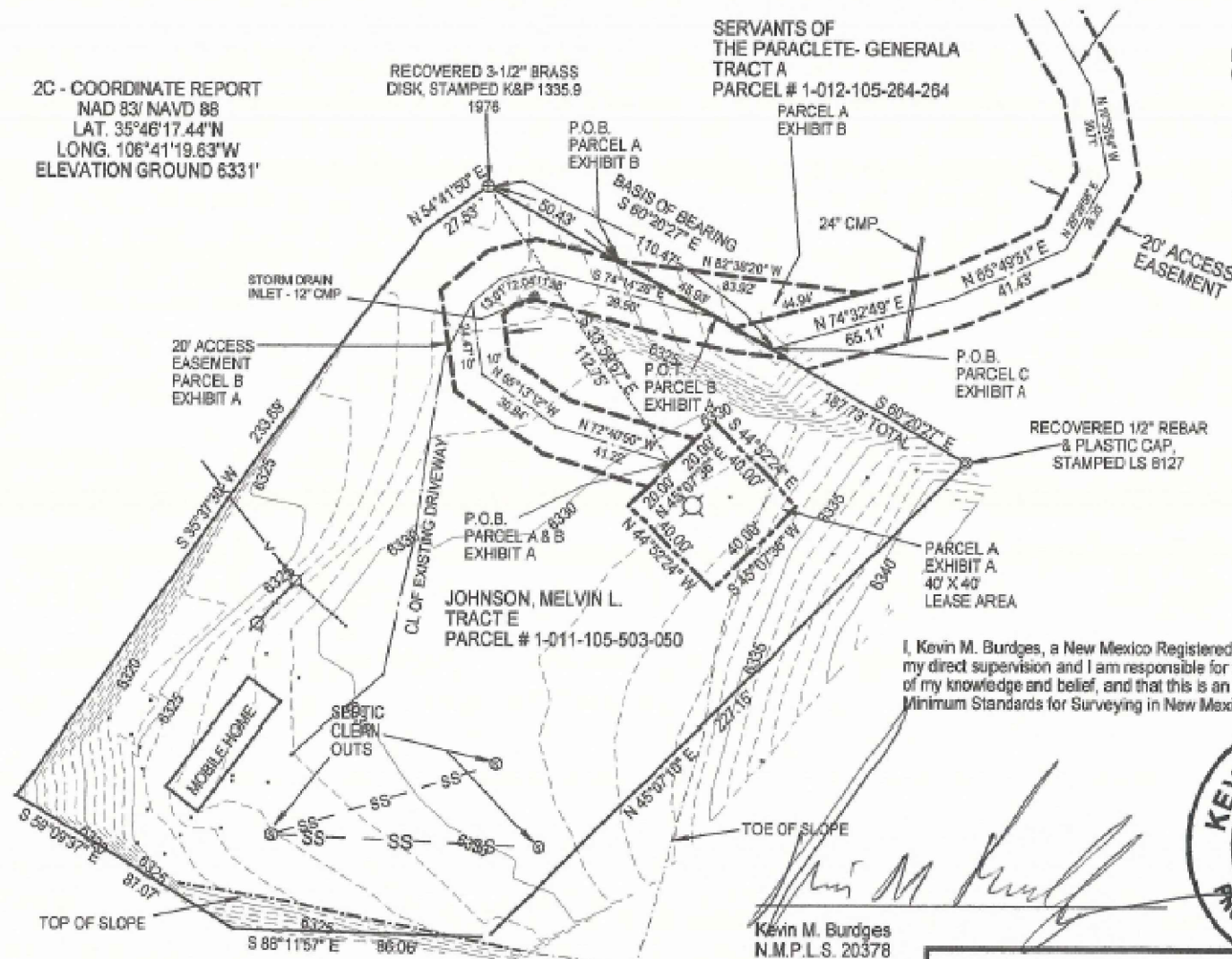
2C - COORDINATE REPORT
NAD 83/ NAVD 88
LAT. 35°48'17.44"N
LONG. 106°41'19.63"W
ELEVATION GROUND 6331'

RECOVERED 3-1/2" BRASS DISK, STAMPED K&P 1335.9

SERVANTS OF THE PARACLETE- GENERALA TRACT A
PARCEL # 1-012-105-264-264

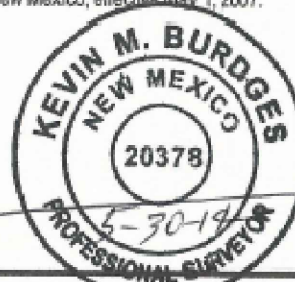
PARENT PROPERTY DESCRIPTION
QUITCLAIM DEED BOOK VOL. 405, PAGE 17853-17862.

ALL BEARINGS ARE GRID BEARINGS OF THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICA DATUM 1983. THE BASIS OF GRID BEARING IS S 60°20'27" E BETWEEN RECOVERED MONUMENTS, AS SHOWN HEREON AND TIED TO THE NATIONAL CORRS SYSTEM VIA THE OPUS UTILITY AND EXPRESSED IN US SURVEY FEET. RECORD BEARING FOR THIS LINE IS N 60°21'16" E.



DETAIL

Kevin M. Burdges
N.M.P.L.S. 20378
For and on behalf of
TOTL Surveys, Inc.



I, Kevin M. Burdges, a New Mexico Registered Professional Surveyor, certify that this easement survey was conducted under my direct supervision and I am responsible for this easement survey, that this easement survey is true and correct to the best of my knowledge and belief, and that this is an easement survey conforming with Rule 12.8.2.12, Easement Surveying of the Minimum Standards for Surveying in New Mexico, effective May 1, 2007.

COMMNET WIRELESS L.L.C.

JEMEZ SPRINGS SITE
JOHNSON

LOCATION Situated within The Village of Jemez Springs, Canon De San Diego Grant and Projected Section 23, Township 18 North, Range 2 East, N.M.P.M., Sandoval County, New Mexico	TOTL Surveys, Inc. P.O. Box 5146, Santa Fe, NM 87501 Phone 505-833-0800
Revised: 5-30-14 REV 1	Job# 13NM-009JemezSprings3 SA
Drawing#	Date 1-15-14
Sheet No. 2 OF 3	



REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
G	09/02/20	90% CD FOR REVIEW	YH
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K	11/02/21	90% CD FOR REVIEW	YH

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FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE

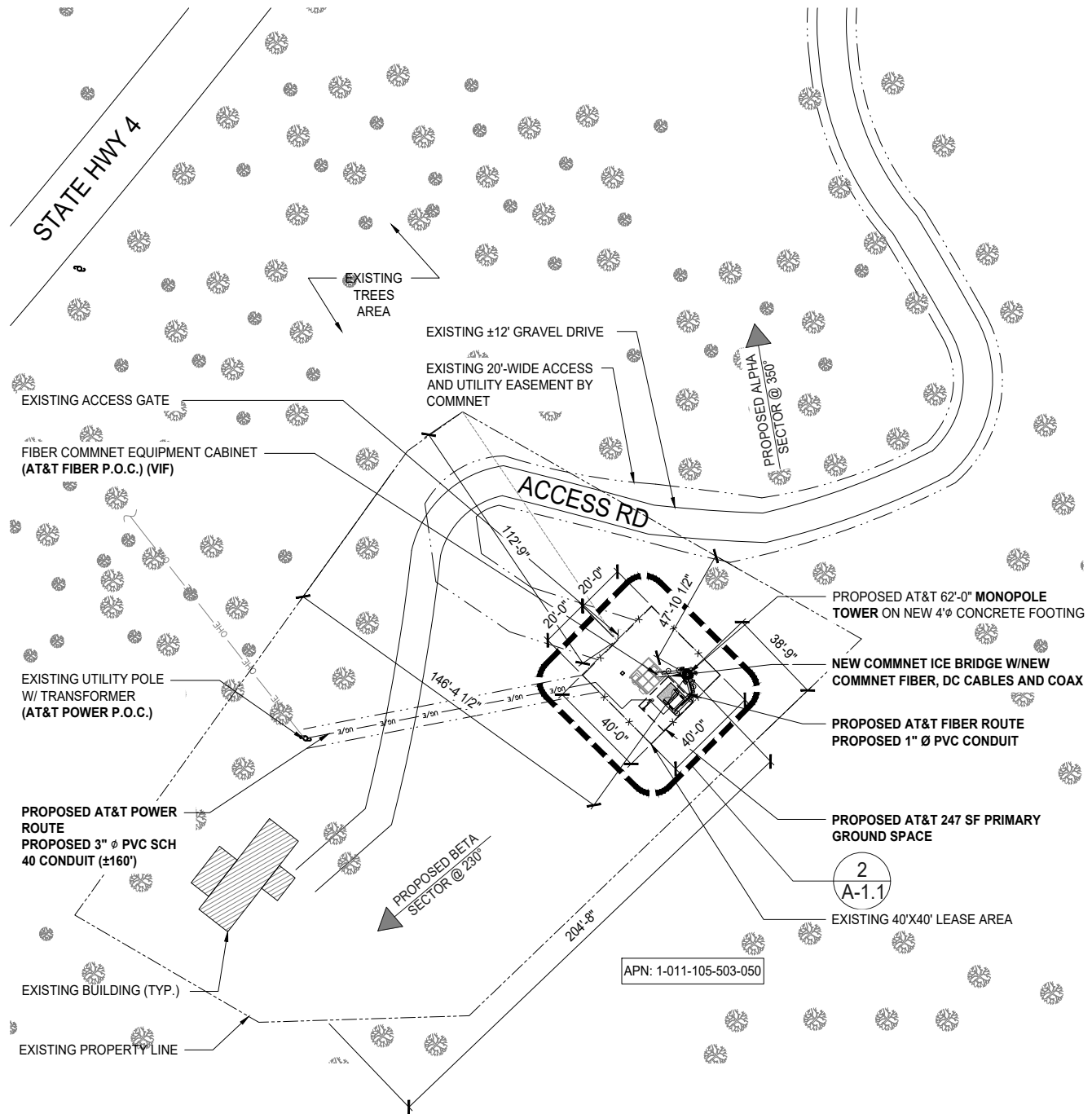
SURVEY OF EXISTING SITE

SHEET NUMBER

T-3.2

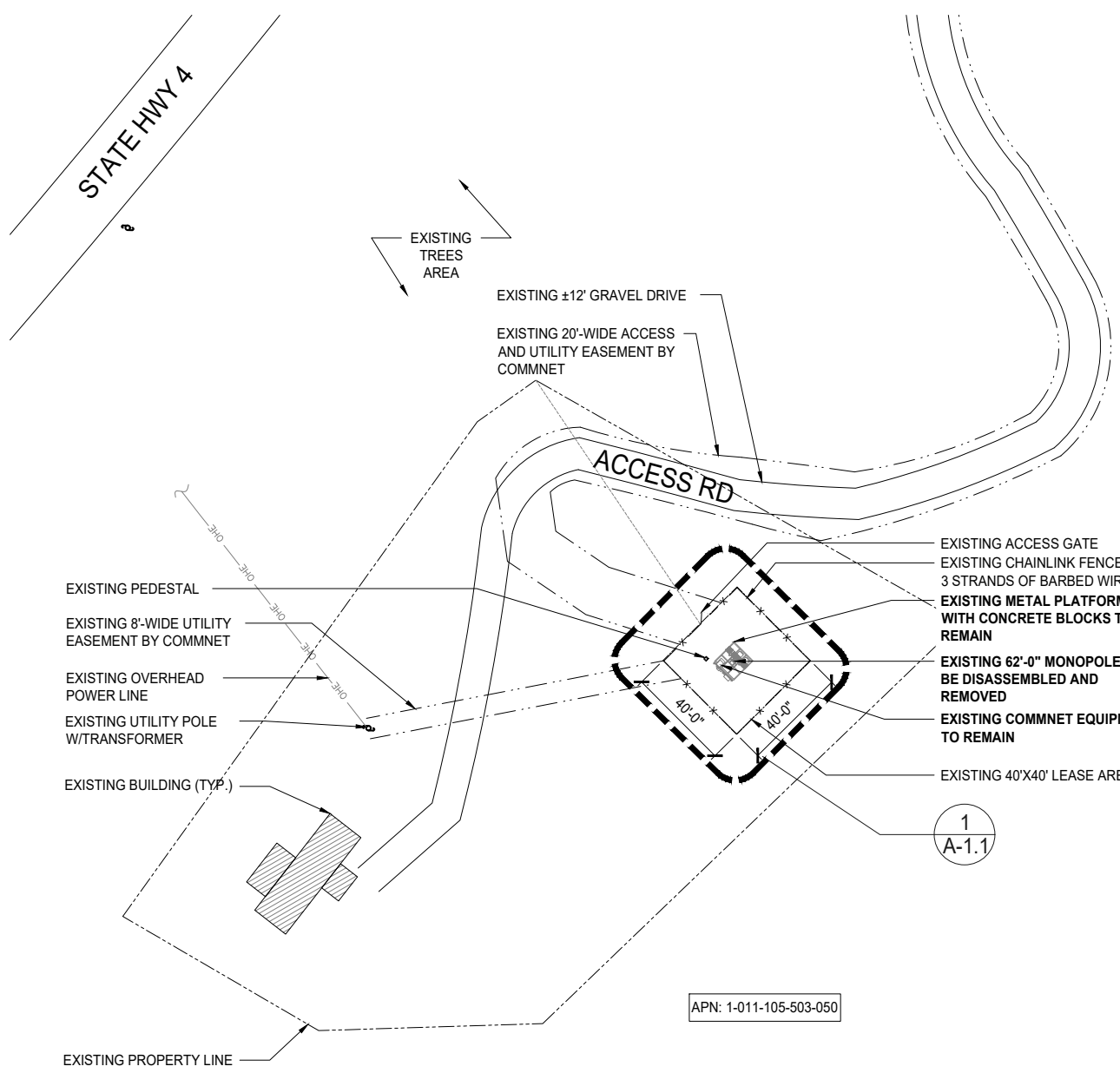
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NOTE:
 NO LEASE AREA EXPANSIONS REQUIRED AS PART OF PROJECT
 NO TREES ARE WITHIN LEASE AREA

DISCLAIMER
 • THIS SITE PLAN WAS GENERATED WITH SURVEY INFORMATION PER ATTACHED



PROPOSED OVERALL SITE PLAN

0 3' 6' 12' SCALE: 3/32"=1'-0" (22x34)
 (OR) 3/64"=1'-0" (11x17)

2 OVERALL DEMOLITION PLAN

0 10' 20' 30' SCALE: 1/32"=1'-0" (22x34)
 (OR) 1/64"=1'-0" (11x17)

1



REVISIONS				
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K	11/02/21	90% CD FOR REVIEW	YH	

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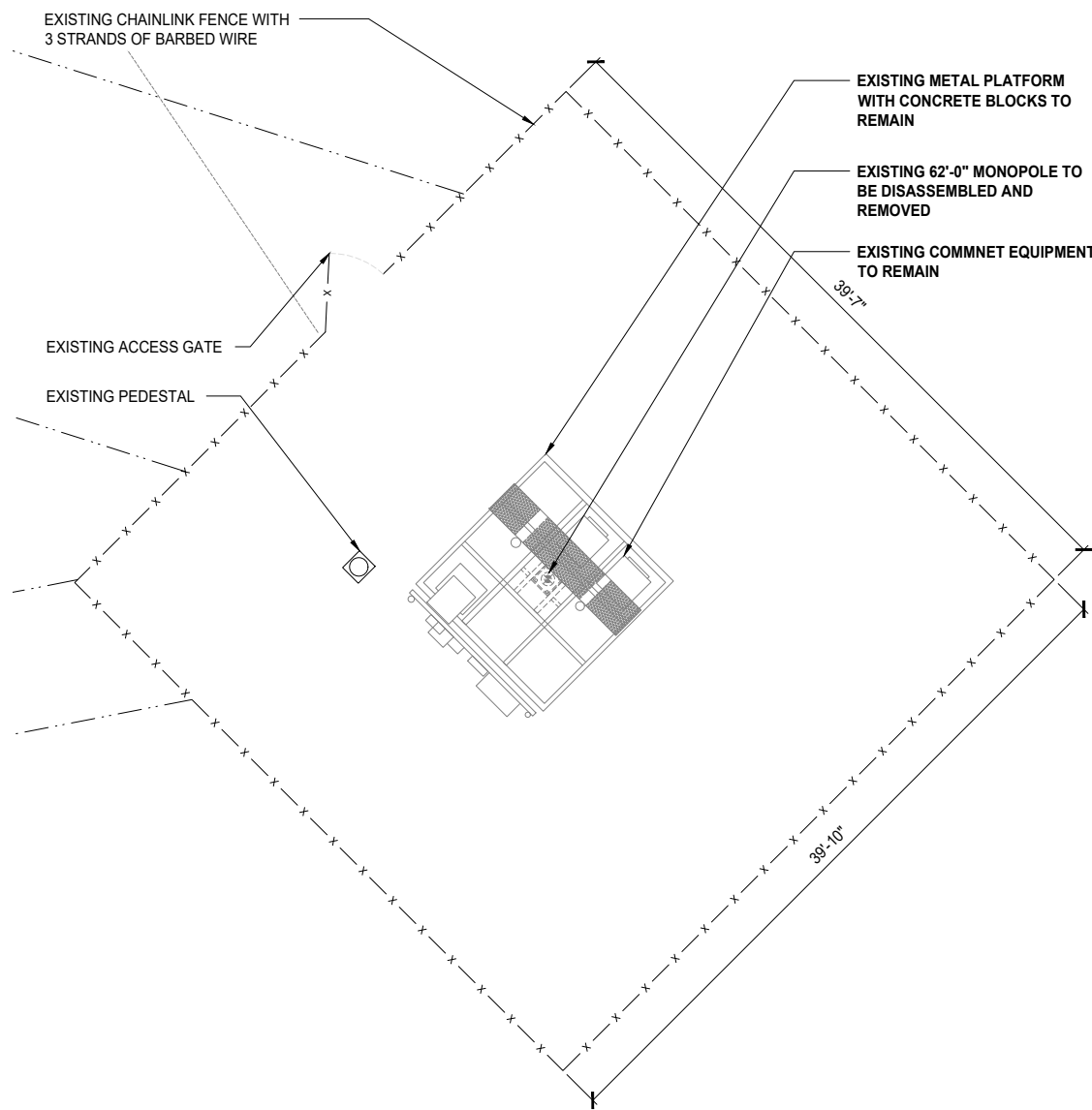
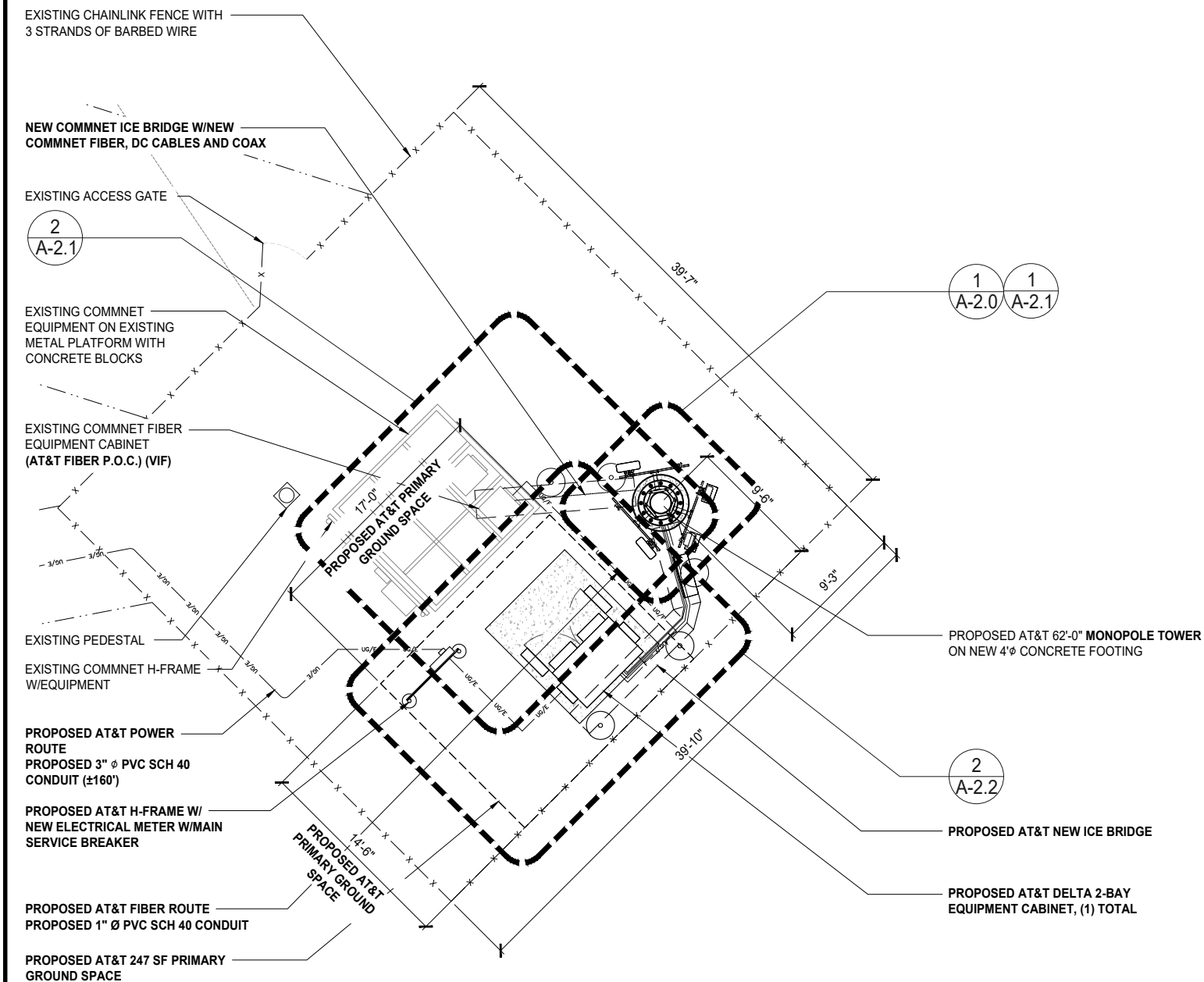
FIRSTNET
 JEMEZ SPRINGS
 NML02659A
 17816 HIGHWAY 4
 JEMEZ SPRINGS, NM 87025

SHEET TITLE
 OVERALL SITE PLAN

SHEET NUMBER
 A-1.0

DISCLAIMER

• THIS SITE PLAN WAS GENERATED WITHOUT THE BENEFIT OF A CURRENT SURVEY OR ANY SURVEY. LOCATIONS OF PROPERTY LINES AND UTILITIES ARE PRELIMINARY.



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PROPOSED SITE PLAN

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)

2

DEMOLITION SITE PLAN

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)

1



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FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE

SITE PLAN

SHEET NUMBER

A-1.1

PROPOSED AT&T 62'-0" MONOPOLE TOWER
ON NEW 4" CONCRETE FOUNDATION

PROPOSED AT&T FIBER ROUTE
PROPOSED 1" Ø PVC SCH 40 CONDUIT

PROPOSED AT&T SURGE
SUPPRESSOR (DC12-48-60-0-25E-SS),
(1) TOTAL

2
A-4.2

PROPOSED AT&T DELTA 2-BAY
EQUIPMENT CABINET, (1) TOTAL

1
A-4.0

PROPOSED AT&T (3) 6 AWG DC
TRUNK CABLES (LENGTH: ±80') AND
(1) PROPOSED AT&T FIBER TRUNK 24
PAIR CABLE (LENGTH: ±80') WITH
PROPOSED 8 AWG JUMPERS
(LENGTH: ±30')

PROPOSED AT&T 8'-0"X9'-6"
CONCRETE EQUIPMENT PAD

1
A-4.2

PROPOSED AT&T NEW H-FRAME

3
A-4.2

PROPOSED AT&T NEW
ELECTRICAL METER
W/MAIN SERVICE
BREAKER

6
A-4.2

PROPOSED AT&T POWER
ROUTE IN 3" Ø PVC SCH
40 CONDUIT (±160')

PROPOSED AT&T NEW 200A ELECTRICAL
PANEL CABINET TO BE LOCKABLE AND
WITH PRE-WIRED GENERATOR
RECEPTACLE BY MANUFACTURER

PROPOSED AT&T 247 SF PRIMARY
GROUND SPACE

CONCRETE PAD

CONCRETE PAD

PROPOSED AT&T PRIMARY GROUND SPACE

PROPOSED AT&T PRIMARY GROUND SPACE

PROPOSED AT&T PRIMARY GROUND SPACE

PROPOSED AT&T PRIMARY GROUND SPACE

PROPOSED AT&T PRIMARY GROUND SPACE

PROPOSED AT&T PRIMARY GROUND SPACE

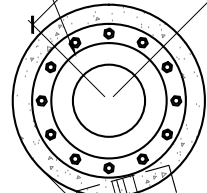
PROPOSED AT&T PRIMARY GROUND SPACE

PROPOSED AT&T PRIMARY GROUND SPACE

PROPOSED AT&T PRIMARY GROUND SPACE

PROPOSED AT&T PRIMARY GROUND SPACE

PROPOSED AT&T PRIMARY GROUND SPACE



PROPOSED AT&T
NEW ICE BRIDGE

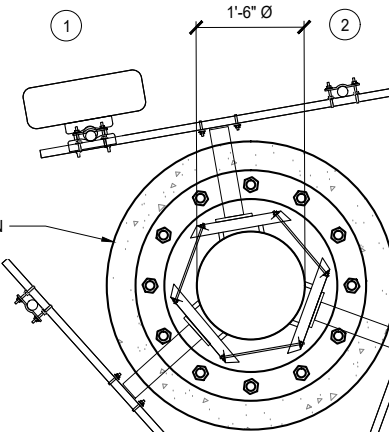
4
A-4.2

PROPOSED AT&T FIBER
BOX MOUNTED ON NEW
ICE BRIDGE POST

NEW 62'-0" MONOPOLE TOWER ON
NEW CONCRETE FOOTING

PROPOSED BETA
SECTOR @ 230°

PROPOSED ALPHA
SECTOR @ 350°



PROPOSED AT&T RADIO AHLBA
(NOKIA LTE B12/B14), (2) TOTAL, (1)
PER SECTOR (TYP. ALL SECTORS)

2
A-4.1

PROPOSED AT&T RADIO AHFIB
(NOKIA LTE B25/B66), (2) TOTAL, (1)
PER SECTOR (TYP. ALL SECTORS)

3
A-4.1

1

PROPOSED AT&T ANTENNA MOUNT BY
SITEPRO 1, P/N: UDS-NP, (1) TOTAL

5
A-4.1

PROPOSED AT&T SURGE SUPPRESSOR
(DC9-48-60-24-8C-EV), (1) TOTAL

4
A-4.1

PROPOSED AT&T PANEL ANTENNA,
(2) TOTAL, (1) PER SECTOR (TYP.
ALL SECTORS)

1
A-4.1



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FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE
**PROPOSED AT&T
ANTENNA &
EQUIPMENT PLANS**

SHEET NUMBER
A-2.0

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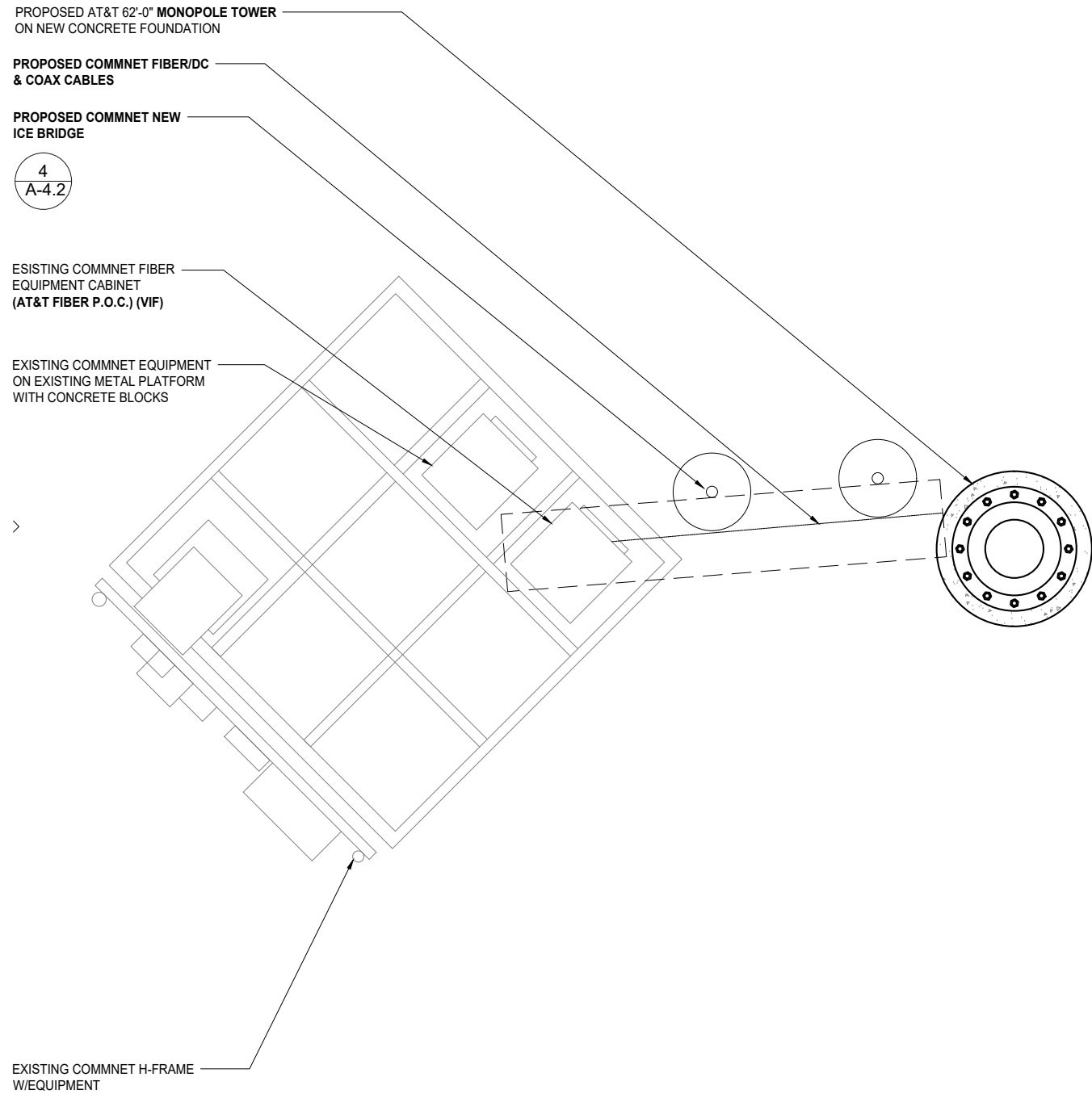
PROPOSED AT&T EQUIPMENT PLAN

0 6" 1' 2' SCALE: 1/2"=1'-0" (22x34)
(OR) 1/4"=1'-0" (11x17)

PROPOSED AT&T ANTENNA PLAN

0 3" 6" 1' SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

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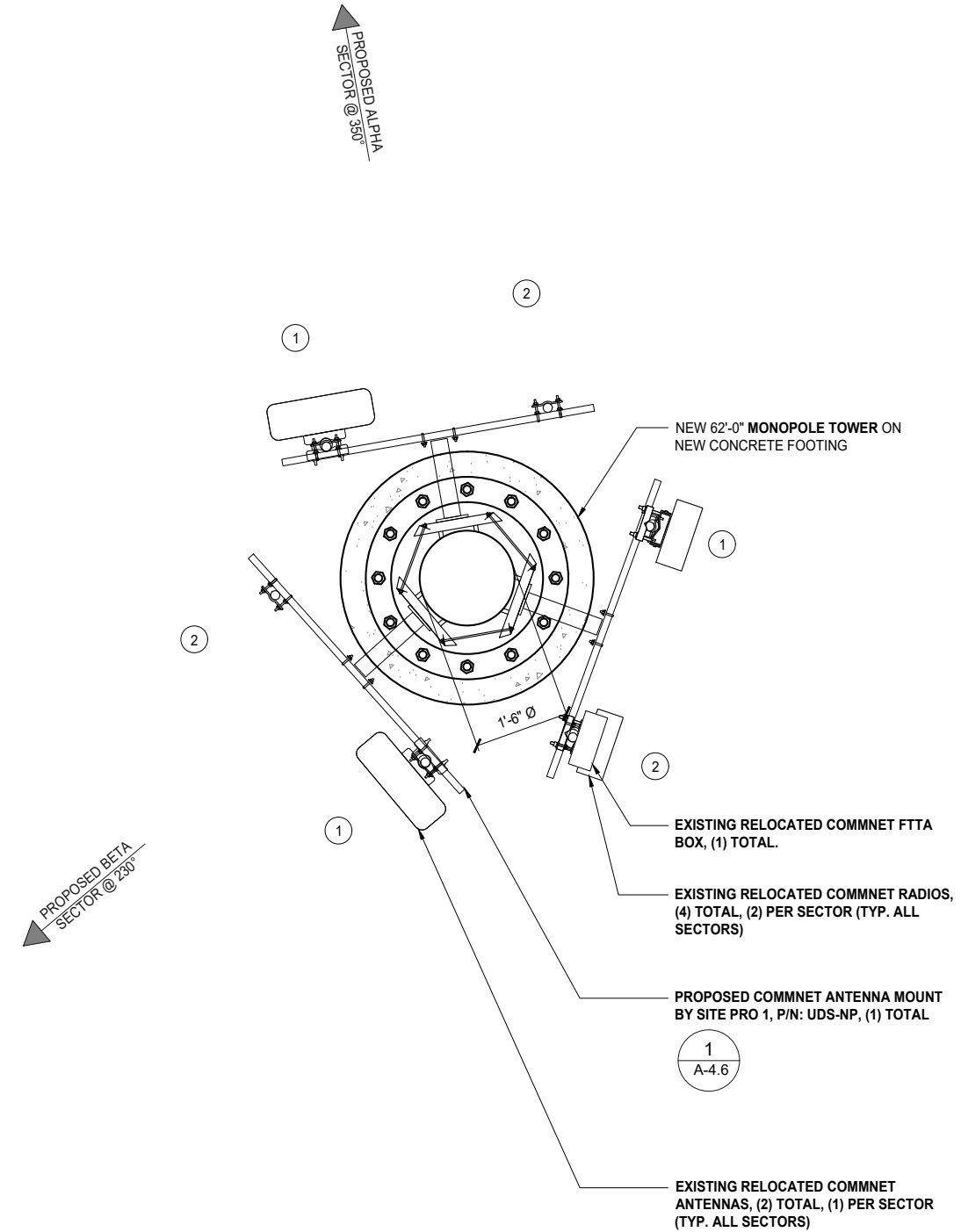


PROPOSED COMMNET EQUIPMENT PLAN

0 6" 1' 2'

SCALE: 1/2"=1'-0" (22x34)
(OR) 1/4"=1'-0" (11x17)

2



PROPOSED COMMNET ANTENNA PLAN

0 3' 6" 1'

SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

1



REVISIONS			
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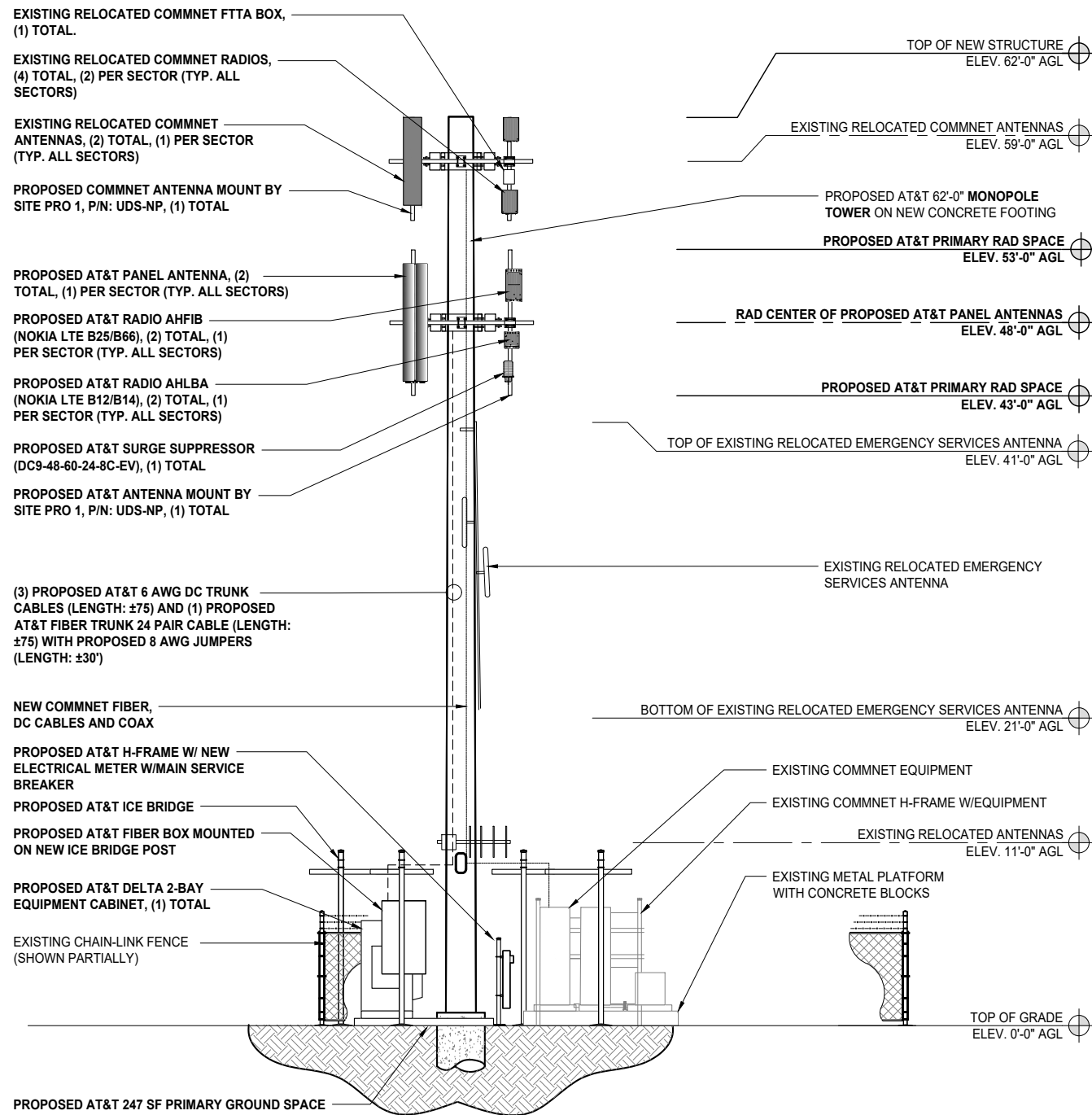
FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE
PROPOSED COMMNET ANTENNA & EQUIPMENT PLANS

SHEET NUMBER
A-2.1

NOTE:

- ALL PROPOSED ANTENNAS AND MICROWAVE DISHES SHALL BE PAINTED TO MATCH THE NEW TOWER TO HAVE NATINA COLOR TREATMENT. ANTENNAS, SECTOR FRAMES, AND RRUS TO MATCH NATINA COLOR TREATMENT



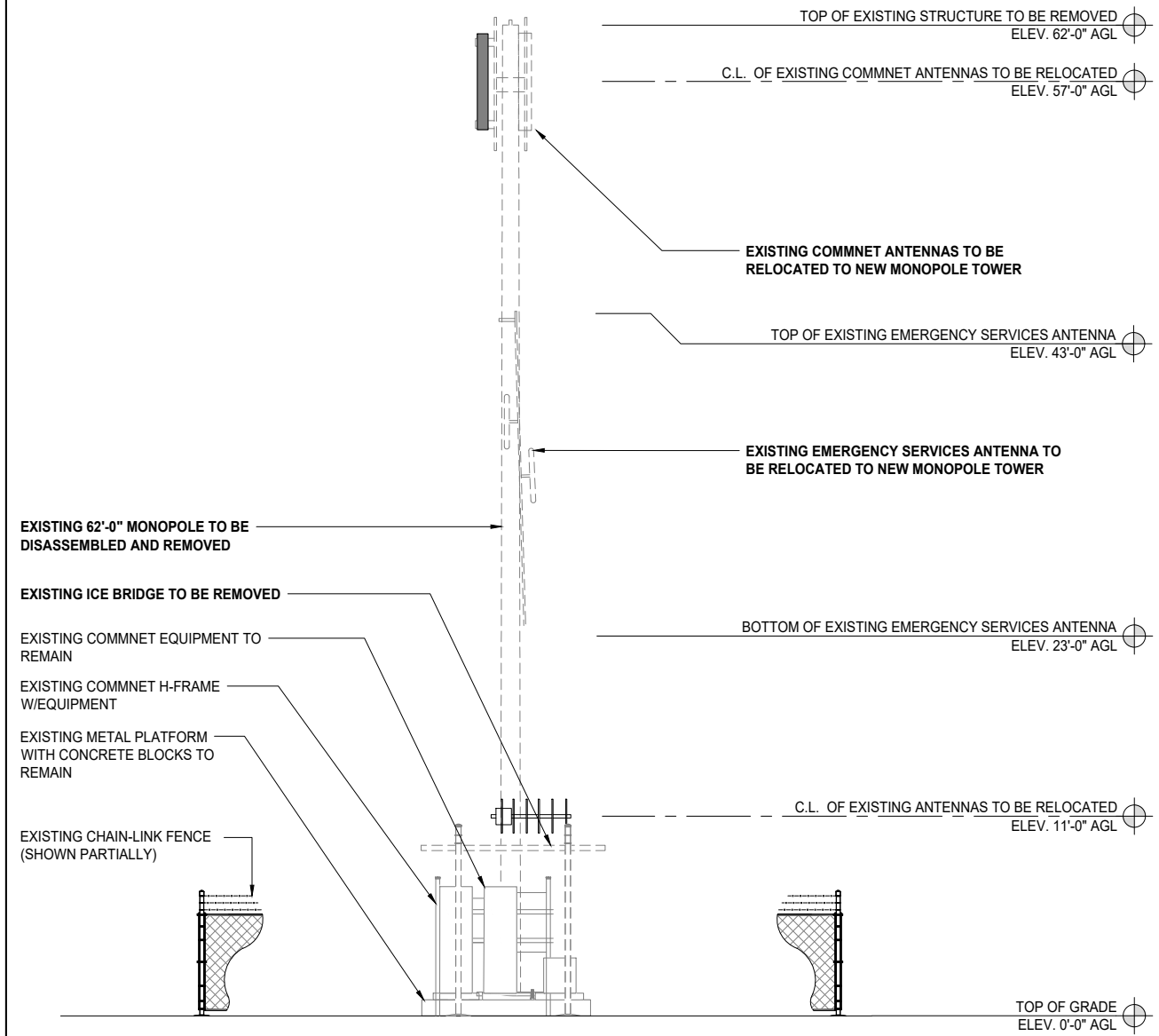
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PROPOSED NORTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)

2

EXISTING NORTHEAST ELEVATION



0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)

1



REVISIONS				
REV	DATE	DESCRIPTION	INITIALS	
G	09/02/20	90% CD FOR REVIEW	YH	
H	09/24/21	90% CD FOR REVIEW	YH	
I	10/04/21	90% CD FOR REVIEW	YH	
J	10/18/21	90% CD FOR REVIEW	YH	
K	11/02/21	90% CD FOR REVIEW	YH	

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FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE
**EXISTING & PROPOSED
NORTHEAST
ELEVATIONS**

SHEET NUMBER
A-3.0



ESOF020-HCV02 2-Bay Walk Upto Cabinet (WUC)

Product Features

- Sealed Multi-bay Equipment and Power Compartment
- Sealed Battery Compartment
- Corrosion Resistant Aluminum enclosure
- Thermo-siphon HEX cooling
- R6 Thermal Insulation Material
- Attachment Rails for AC Load Center
- Rear Access Hatches
- Optional Dual GPS Antenna Mount



Specifications

Model ESOF020-HCV02 Walk Upto Cabinet (WUC)

1. General	
System cooling capacity	2.5kW Equip Heat Load with Equip Inlet <55C @ 46C ambient
Dimensions (W x H x D)	68W" x 42"D (50" including HEX) x 80"H (add 6" plinth)
Protection class	NEMA4
Door latches	3 point latches (can be pad locked)
Ground bar	2ea 10-positions
Lifting Mechanism	4 lifting brackets
Equipment Compartment	Bay 1 – 23", 19RU for DC Power System and PDU Bay 2 – 23", 44RU for equipment
Battery Compartment	Shelves for 3 strings batteries, designed for: GNB Marathon M12V180FT Energys SBS190F Energys SBS170F
Weight	1860 lbs (Batteries, Power System and Load Equipment excluded)
Materials:	Enclosure Aluminum AL5052, Inner frames Galvanized steel
Finish	Powder Paint RAL7032
Safety	cULus LISTED pending
2. Environment	
Operating temperature	-40°C to +50°C (-40°F to +122°F)
Storage temperature	-40°C to +75°C (-40°F to +158°F)
Acoustics	65 dBA @ 40C equipment inlet, 75 dBA @ 55C equipment inlet
Humidity (relative)	95%, non-condensing (Max.)
3. Thermal management	
Cooling system	Equipment compartment: 2 200W/K Thermosiphon HEX
Heating system	Equipment compartment: 2 1500W DC heaters Battery compartment: 1 1500W DC heater
4. Equipment	
Arranged for third-party equipment:	AC Load Center (not provided) DC Power System (not provided) Batteries (not provided)
Cable Entry:	
AC Cable	(2) Trade Size 2" ports
Bottom Cable	Arranged for (3) Roxtec EzEntry 24/24 multi-port (not provided) Arranged for (3) Roxtec EzEntry 16/16 multi-port (not provided)
Lower Rear	(4) Trade Size 3" ports
Upper Rear	Arranged for (1) Valmont E575 port kit (not provided)
5. Optional Items	
Optional items	NEQ.20115 – Dual GPS Antenna Mast Kit (Delta 3798100742-S) NEQ.20114 – Wave Guide Top Plate (Valmont E575)
6. Ordering information	
System	NEQ.20212– Cabinet 2-Bay 2-HEX (Delta ESOF020-HCV02)

*All specifications are subject to change without prior notice.

Delta Group Website:
www.deltaww.com

Product Website:
www.deltapowersolutions.com

United States of America & Canada
Delta Electronics (USA) Inc.
2925 E. Plano Parkway
Plano, Texas 75074

Sales
Bryan Kearse
Office 919-767-3836
Cell 919-800-7107
Bryan.Kearse@deltaww.com

Hari Subramanian
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(877-335-8208 option 3)
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Sales
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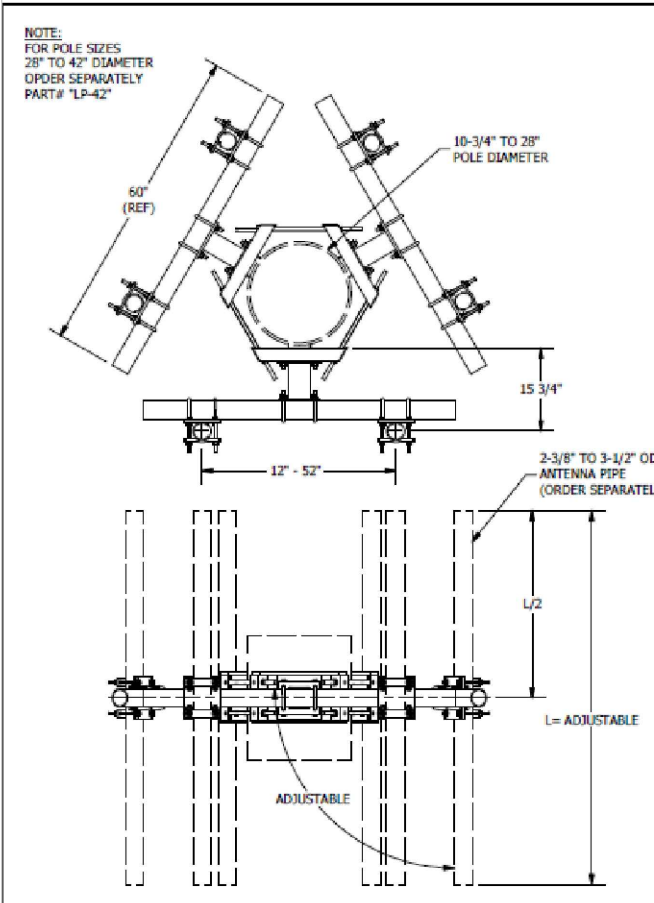
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SHEET TITLE
EQUIPMENT DETAILS & SPECIFICATIONS

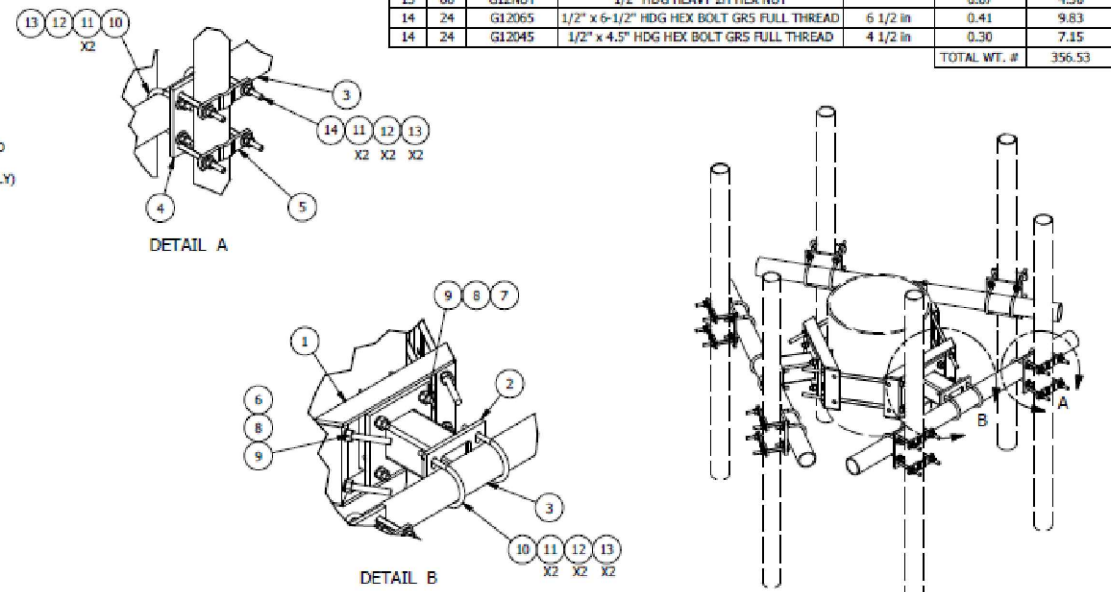
SHEET NUMBER
A-4.0



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PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	X-UJLM	MONI RING MOUNT WELDMENT		21.67	65.00
2	3	X-WWM01	8" STAND-OFF ARM / WALL MOUNT		18.12	54.37
3	3	P360	3-1/2" X 60" (3" SCH 40) GALVANIZED PIPE	60 in	37.97	113.90
4	6	SCX7	CROSSOVER PLATE	8 in	7.55	45.29
5	12	X-115765	5" V-CLAMP	7 1/16 in	1.03	12.31
6	6	G58R-14	5/8" x 14" THREADED ROD (HDG.)	14 in	0.40	2.39
6	6	G58R-24	5/8" x 24" THREADED ROD (HDG.)	24 in	0.40	2.39
7	12	G5802	5/8" x 2" HDG HEX BOLT GR5	2 in	0.27	3.24
8	24	G58LW	5/8" HDG LOCKWASHER		0.03	0.63
9	24	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	3.12
10	18	X-UB1358	1/2" X 3-5/8" x 5-1/2" X 3" U-BOLT	5 1/2 in	0.77	13.90
11	84	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.86
12	60	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.83
13	60	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	4.30
14	24	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	6 1/2 in	0.41	9.83
14	24	G12045	1/2" x 4-5" HDG HEX BOLT GR5 FULL THREAD	4 1/2 in	0.30	7.15
TOTAL WT. #						356.53



TOLERANCE NOTES
 TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWS, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
 DRILLED AND GAS CUT HOLES ($\pm 0.010"$) - 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 ($\pm 0.060"$)

DESCRIPTION DUAL ANTENNA POLE MOUNT ASSEMBLY 15-3/4" STAND OFF 10-3/4" TO 28" MONOPOLE DIAMETER				ADDRESS: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX
CPD NO.	DRAWN BY	ENCL. APPROVAL	PART NO.	1 OF 1
81	BMC 1/24/2011	CEK 8/27/2012	UDS-NP	
CLASS	SUB	DRAWING USAGE	CHECKED BY	
01	01	CUSTOMER	CEK 8/27/2012	

A	REDRAWN IN INV.	KCB	8/27/2012
REV	DESCRIPTION OF REVISIONS	CPD	BY DATE
	REVISION HISTORY		

MANUFACTURER: NOKIA
 MODEL: AHLBA
 MECHANICAL NET WEIGHT: 101.4 LBS
 DIMENSION (LxWxD): 28.7"x15.4"x9.5"

ISOMETRIC VIEW
 BOTTOM VIEW

RADIO AHLBA (OR SIMILAR) NTS 3

MANUFACTURER: NOKIA
 MODEL: AHFIB
 MECHANICAL NET WEIGHT: 66.1 LBS
 DIMENSION (LxWxD): 22.05"x12.13"x5.87"

FRONT VIEW
 BOTTOM VIEW

RADIO AHFIB (OR SIMILAR) NTS 2

ANTENNA MOUNTING FRAME (SITE PRO 1 PART #: UDS-NP) NTS 5

MANUFACTURER: RAYCAP
 MODEL: DC9-48-60-24-8C-EV
 CEQ/ANT#: CEQ 21427
 # OF CIRCUITS PROTECTED: 9
 SURGE PROTECTIVE DEVICE: TYPE 2
 MAX. CONTINUOUS OPERATING DC VOLTAGE: 60 VDC
 ENCLOSURE TYPE: OUTDOOR NEMA 4X
 ENCLOSURE DIMS (LxWxH): 18.28"x10.24"x31.4"
 WEIGHT (SYSTEM): 16 LBS
 WEIGHT (MOUNT): 10.22 LBS

RAYCAP SUPPLIED POLE MOUNTING BRACKET
 DOME SECURING BAND
 CLIP FOR ATTACHING DC9 (OVP) TO BASE ASSEMBLY (TYP)
 POWER CABLE INGRESS PORTS (TYP.)
 RAYCAP SUPPLIED BASE ASSEMBLY
 CABLE TIE BAR
 1/2" X 3-5/8" X 5-1/2" X 3" U-BOLT (HDG.)
 CROSSOVER PLATE
 VALMONT PART # SCX3-K OR APPROVED EQUAL
 CROSSOVER PLATE

PIPE CLAMP MOUNTING BRACKET NTS 6 SURGE SUPPRESSOR - DC9-48-60-24-8C-EV NTS 4

MANUFACTURER: KATHREIN
 MODEL: 80010992K
 CONNECTOR: (12) 4.3-10 FEMALE
 CONNECTOR POSITION: BOTTOM
 MECHANICAL WEIGHT: 133.3 LBS (W/O MOUNTING)
 DIMENSIONS (HxWxD): 105.2"x20"x6.9"
 MOUNTING HARDWARE: 85010096 (INCLUDED W/ ANTENNA)

FRONT VIEW
 SIDE VIEW
 BOTTOM VIEW

80010992K ANTENNA (OR SIMILAR) 1/2"=1'-0" (22x34) 1/4"=1'-0" (11x17) 1

Connecting Rural America

A Nokia company
 5015 SHOREHAM PLACE, SUITE 150
 SAN DIEGO, CA 92122
 www.sacow.com

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 TELEPHONE: 847.277.0070
 FAX : 847.277.0080
 ae@westchesterservices.com

JOHN M. BANKS ARCHITECT
 604 FOX GLEN
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 jbanks@westchesterservices.com

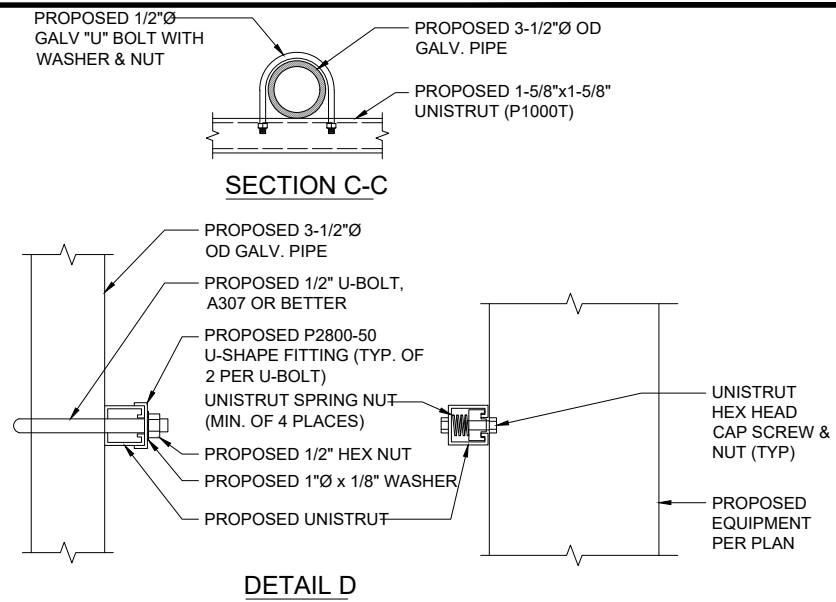
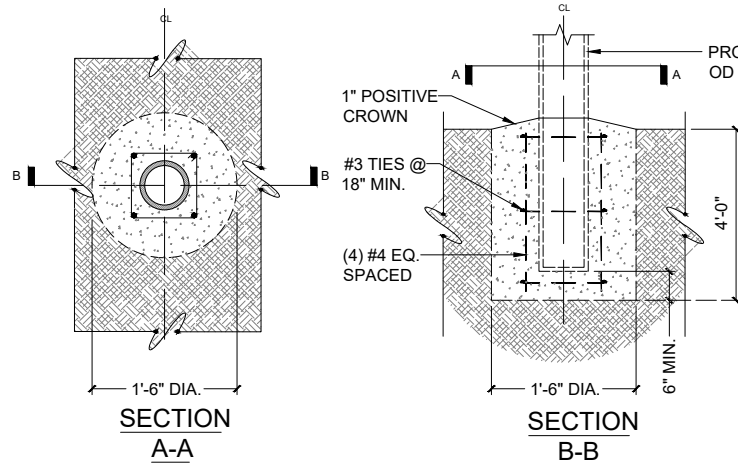
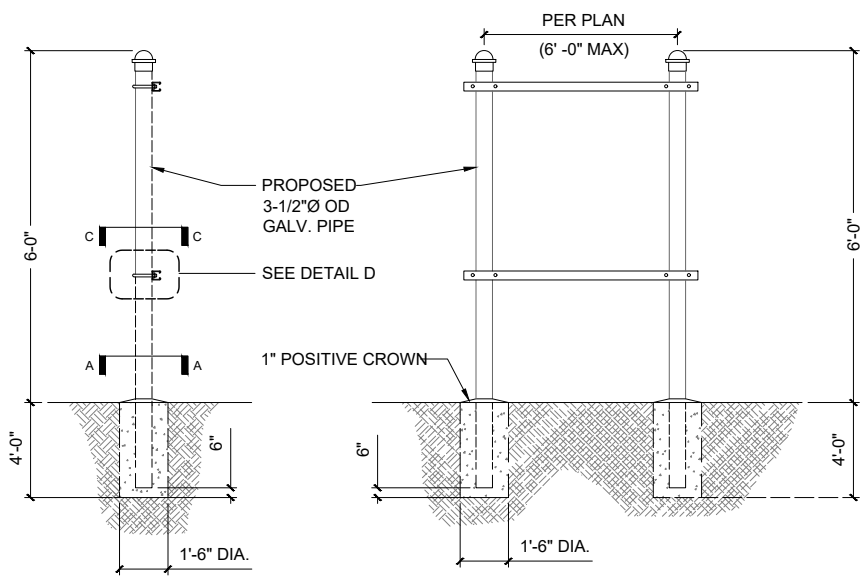
REVISIONS			
REV	DATE	DESCRIPTION	INITIALS
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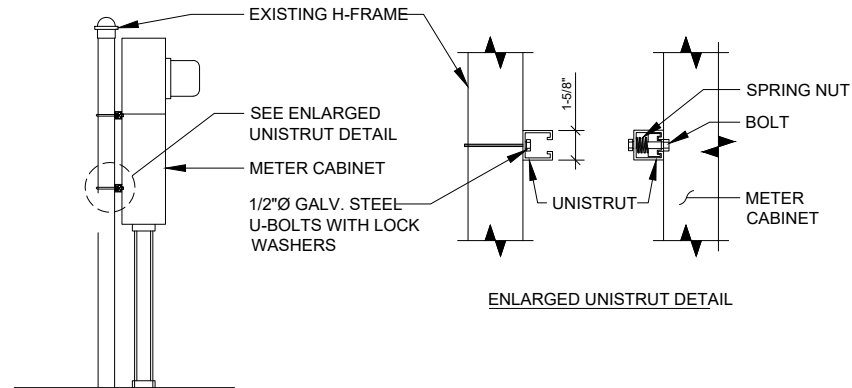
SHEET TITLE
 EQUIPMENT DETAILS & SPECIFICATIONS

SHEET NUMBER
 A-4.1

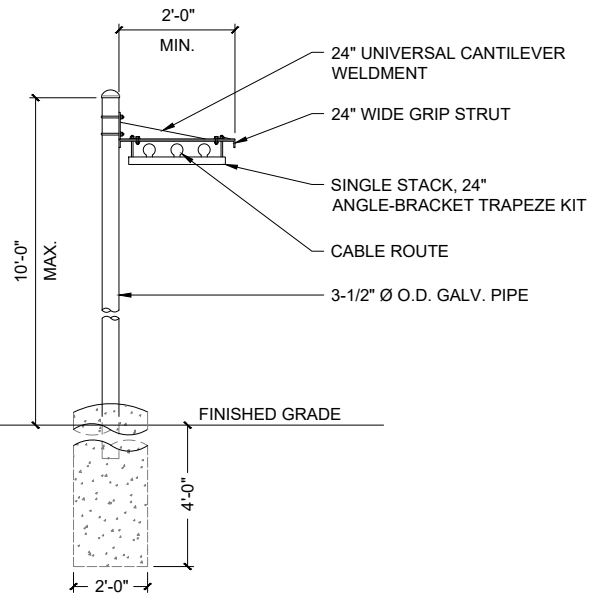


H-FRAME DETAIL

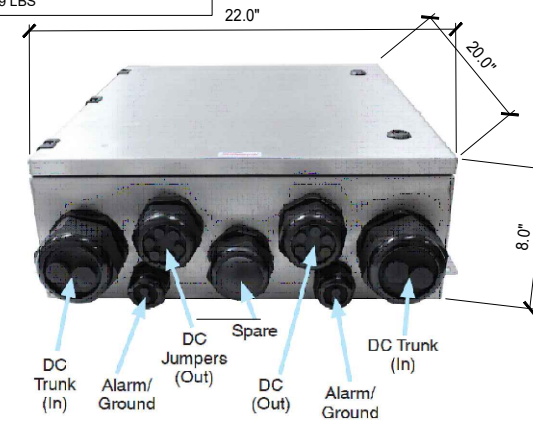
NTS 3



NOTE:
POSTS TO BE SPACED MIN. 4'-0" O.C.
AND MAX 10'-0" O.C.



MANUFACTURER: RAYCAP
MODEL: DC12-48-60-0-25E-SS
CEQ/ANT#: CEQ.32407
OF CIRCUITS PROTECTED: 12
SURGE PROTECTIVE DEVICE: TYPE 2
MAX. CONTINUOUS OPERATING DC VOLTAGE: 60 VDC
ENCLOSURE TYPE: TYPE 4
ENCLOSURE DIMS (LxWxH): 22.0"x20.0"x8.0"
WEIGHT (SYSTEM): 39 LBS



METER CABINET TO H-FRAME

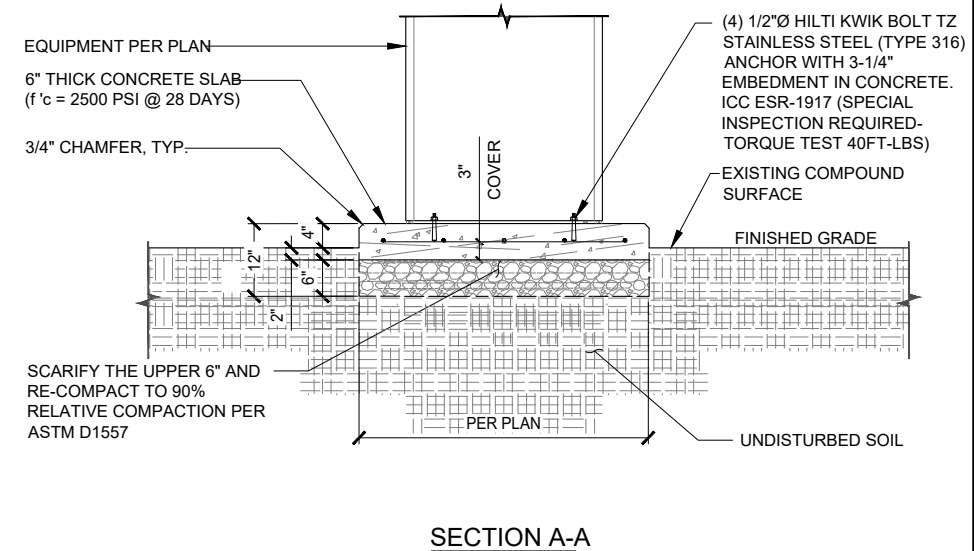
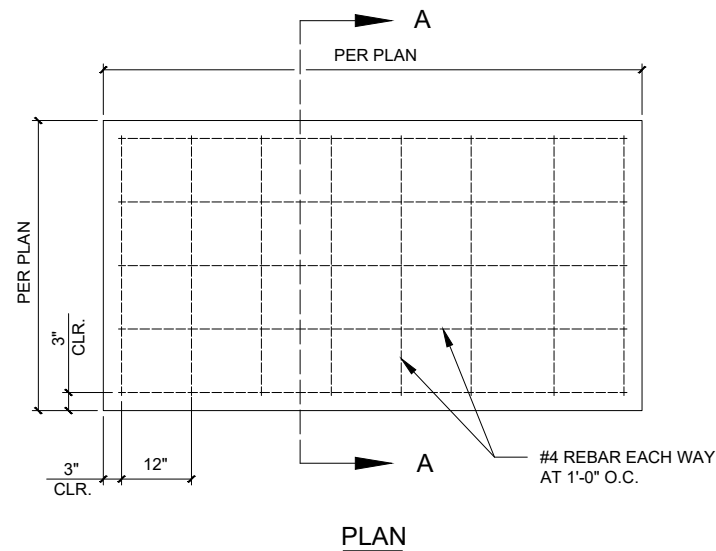
NTS 6

ICE BRIDGE DETAIL

1"=1'-0" (22x34)
1/2"=1'-0" (11x17)

DC12-48-60-25E-SS (OR SIMILAR)

NTS 2



NOT USED

NTS 5

CONCRETE EQUIPMENT PAD

NTS 1



REVISIONS				
REV.	DATE	DESCRIPTION	INITIALS	
G	09/02/20	90% CD FOR REVIEW	YH	
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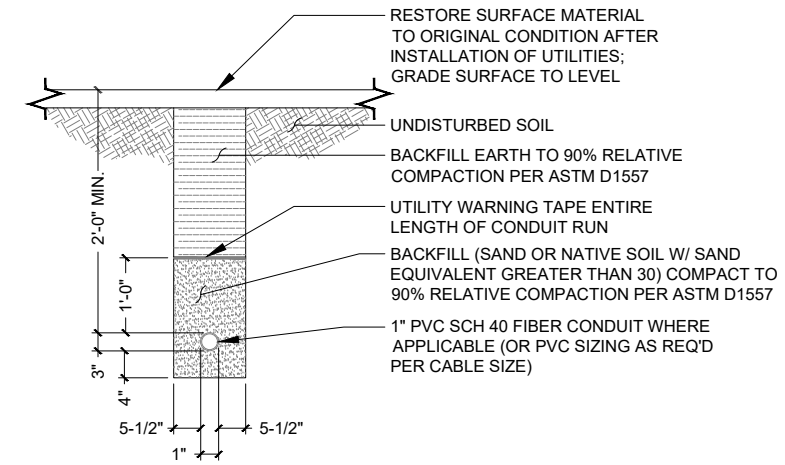
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SHEET TITLE
EQUIPMENT DETAILS & SPECIFICATIONS

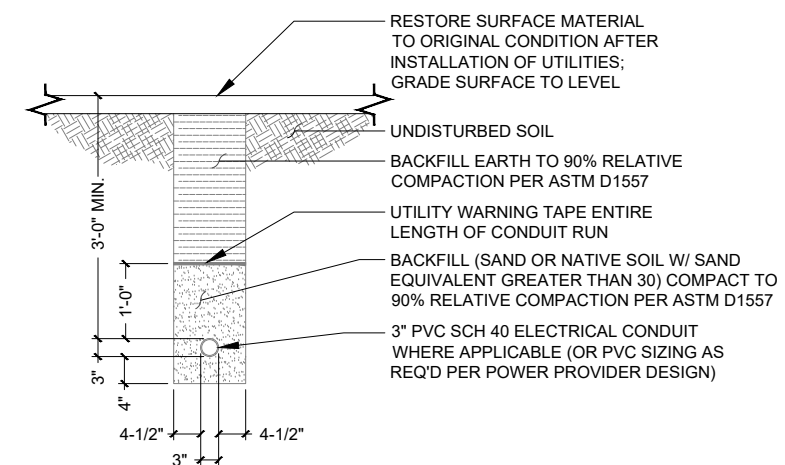
SHEET NUMBER
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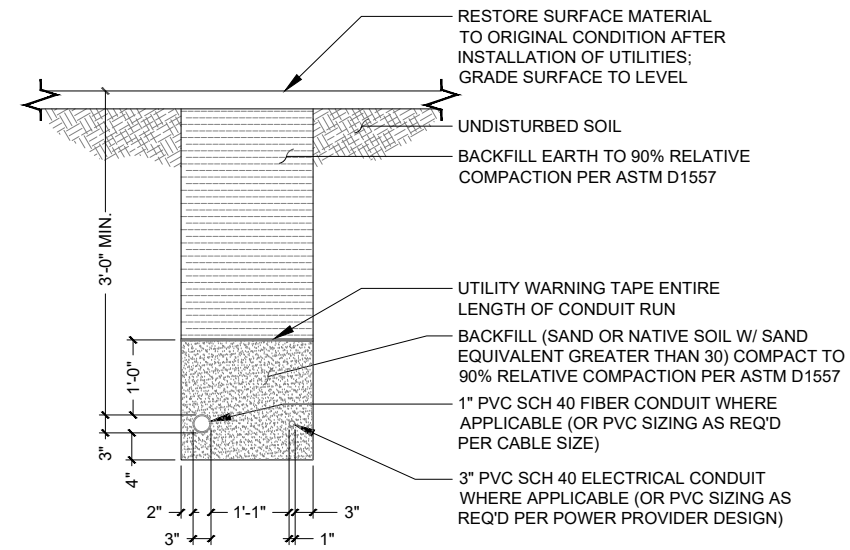
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FIBER TRENCH NTS 3



POWER TRENCH NTS 2



DUAL UTILITY TRENCH NTS 1



REVISIONS			
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NML02659A
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SHEET TITLE
EQUIPMENT DETAILS & SPECIFICATIONS

SHEET NUMBER
A-4.3

Slant +/- 45° Dual Polarized, Panel 63° / 20 dBi

Mechanical specifications

Length	1840 mm	72.44 in
Width	154 mm	6.06 in
Depth	105 mm	4.13 in
Weight	6.8 kg	15 lbs
Wind Area		
Front	0.283 m ²	3.05 ft ²
Side	0.217 m ²	2.34 ft ²
Rated Wind Velocity (Safety factor 2.0)		
	>237 km/hr	>148 mph
Wind load @ 100 mph (161 km/hr)		
Front	460 N	103.4 lbs
Side	372 N	83.5 lbs

Antenna consisting of aluminum alloy with brass feed-lines covered by a UV safe fiberglass radome.

Mounting & Downtilting:

Wall mounted or pole tower mount with mounting brackets.

Mounting bracket kit #26799997
Downtilt bracket kit #26799999
The downtilt bracket kit includes the mounting bracket kit.

Electrical specifications

Frequency Range	1850-1990 MHz
Impedance	50Ω
Connector	NE, E-DIN
1) VSWR	≤1.4:1
Polarization	Slant ± 45°
1) Isolation Between Ports	< -30 dB
1) Gain	20 dBi
2) Power Rating	250 W
1) Half Power Angle	
H-Plane	63°
E-Plane	5°
1) Electrical Downtilt	0°
1) Null Fill	5%
Lightning Protection	Direct Ground

Patented Dipole Design: U.S. Patent No. 6,597,324 B2

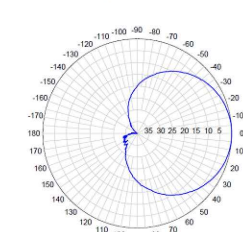
¹⁾ Typical Values
²⁾ Power Rating limited by connector only.
³⁾ NE indicates an elongated N Connector.
⁴⁾ E-DIN indicates an elongated DIN Connector.
⁵⁾ The antenna weight listed above does not include the bracket weight.
Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

1300 Capital Drive Rockford, IL 61109 Toll-Free (888) 417-9562 Tel. (815) 399-0001
Fax. (815) 399-0156 Email: antel@antelinc.com www.antelinc.com

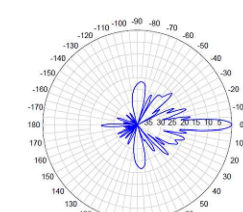
BXA-185063/12CF

When ordering, replace "___" with connector type.

Radiation-pattern¹⁾



Horizontal



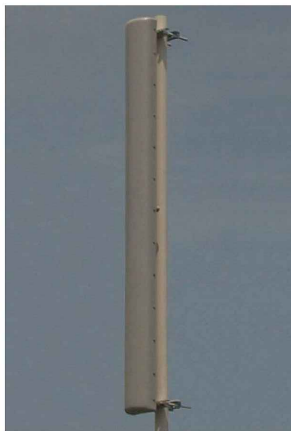
Vertical

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.

Mounting on a metal pole will typically improve the Front-to-Back Ratio.

CF Denotes a Center-Fed Connector.

1850-1990 MHz



Amphenol Antel's Exclusive 3T (True Transmission Line Technology) Antenna Design:

- Watercut brass feedline assembly for consistent performance.
- Unique feedline design eliminates the need for conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

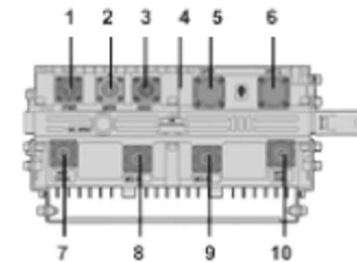
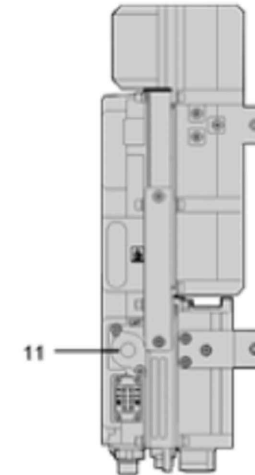
Every Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

Antenna available with center-fed connector only.



Revision Date: 1/27/05

MANUFACTURER:	ZTE
MODEL:	ZXSDR - R8882 (2*60W)
MECHANICAL	
NET WEIGHT:	23 KG - 50.7 LBS
DIMENSION (LxWxD):	18.9"X12.6"X5.1" (480*320*150 mm)
MANUFACTURER:	ZTE
MODEL:	ZXSDR - R8882 (2*40W)
MECHANICAL	
NET WEIGHT:	20 KG - 44.09 LBS
DIMENSION (LxWxD):	14.96"X12.6"X5.51" (380*320*140 mm)



a: Front view
b: Side view
c: Bottom view

ANTENNA AMPHENOL ANTEL BXA-185063/12CF

NTS

3

RADIO ZTE ZXSDR R8882

NTS

2



REVISIONS				
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SHEET TITLE
**COMMNET EQUIPMENT
DETAILS & SPECIFICATIONS**

SHEET NUMBER
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NOT USED

3/4"=1'-0" (22x34)
3/8"=1'-0" (11x17)

1



Market / Call Sign		Commnet Four Corners / WPT1719/WPOK572		Jemez Springs		NM		Sandoval	
FCC #/Site Identifier		existing site / Johnson Property		Latitude Deg		35		Lat Min	
Engineer		J. Hall		Longitude Deg		106		Long Min	
Date (mm/dd/yy)		8/20/2020		Lat Sec		17.44		Lat Decimal	
Candidate Sheet Information		Upgrade		Revision #		Rev 8		Long Sec	
Modified By		J. Hall		Long Decimal		-106.688786		Structure HT (ft)	
		Ground Elev (ft)		6331		Structure Type		monopole	

Technology	UMTS	CDMA-1x	EVDO	LTE-FDD						
BTS Vendor	ZTE	ZTE	ZTE	ZTE						
BTS Model / RRU model	BS8900/R8882	BS8900/R8882	BS8900/R8882	BS8900/R8882						
Switch Name	Castle Rock	Castle Rock	Castle Rock	Castle Rock						
Radios on Tower or at Base	Tower	Tower	Tower	Tower						
Feeder Type	Fiber	Fiber	Fiber	Fiber						
Feeder length (ft)	80	80	80	80						
Frequency Band	1900MHz B5 Band	1900MHz C1 Partial	1900MHz C1 Partial	1900MHz C3 Band						
Channel/Carrier Totals Per Sector	1-1-0	1-1-0	2-2-0	1-1-0						
Carrier Bandwidth (LTE)	n/a	n/a	n/a	n/a						
# of Extended Range Radios (of total)	0	0	0	0						
Cell Radius / sector(14,28,75,103)(km)	14-14-0	14-14-0	14-14-0	14-14-0						
MIMO	n/a	n/a	n/a	2x2						
Equipment Site Totals	Base Cabinets	RRUs or RRHs	WISP Radios	Antennas	Coax Lines	Fiber Lines	Power Lines	CAT5 Lines	TMA's	FTTA or Squid
	2	4	0	2	0	2	1	0	0	1

Site Notes / Project Description

8/20/2020-Addition of FirstNet antennas and equipment. Tower height updated. For Commnet, rad center, fiber lengths, spectrum updated, cell radius added.

FirstNet antennas and equipment added on third sheet. Tower drop and swap to accommodate AT&T/FirstNet installation. Replace existing monopole with new 62' monopole. Height of existing pole was measured at 62', new pole must remain the same height. Move RRU's and antennas to new tower. Coordinates from 2C letter. This sheet contains information for the existing Commnet equipment only!

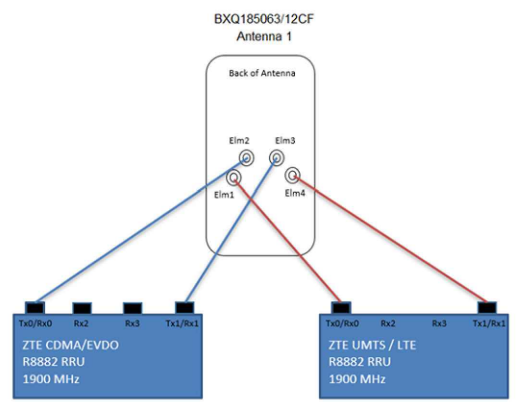
Change History

Sector Information

Note that all port-specific and cabling information will be on next tab in Plumbing Diagram

Antenna Number	Antenna 1	Antenna 2												
Antenna Model	BXQ185063/12CF													
Antenna Manufacturer	Amphenol													
Antenna Type (panel,omni)	quad pole panel													
RET capable	no													
Antenna Center Line (ft)	60													
Antenna Azimuth	350													
RRU / RRH Mounting Height (ft)	60													
TMA Model	n/a													
Antenna Number	Antenna 1	Antenna 2												
Antenna Model	BXQ185063/12CF													
Antenna Manufacturer	Amphenol													
Antenna Type (panel,omni)	quad pole panel													
RET capable	no													
Antenna Center Line (ft)	60													
Antenna Azimuth	230													
RRU / RRH Mounting Height (ft)	60													
TMA Model	n/a													
Antenna Number	Antenna 1	Antenna 2												
Antenna Model														
Antenna Manufacturer														
Antenna Type (panel,omni)														
RET capable														
Antenna Center Line (ft)														
Antenna Azimuth														
RRU / RRH Mounting Height (ft)														
TMA Model														

Diagrams below are for representation purposes only, the bottom/back of the antenna/RRU may look slightly different. Follow naming conventions.



REVISIONS				
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I	10/04/21	90% CD FOR REVIEW	YH	
J	10/18/21	90% CD FOR REVIEW	YH	
K	11/02/21	90% CD FOR REVIEW	YH	

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FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE
**COMMNET EQUIPMENT
DETAILS &
SPECIFICATIONS**

SHEET NUMBER
A-4.5

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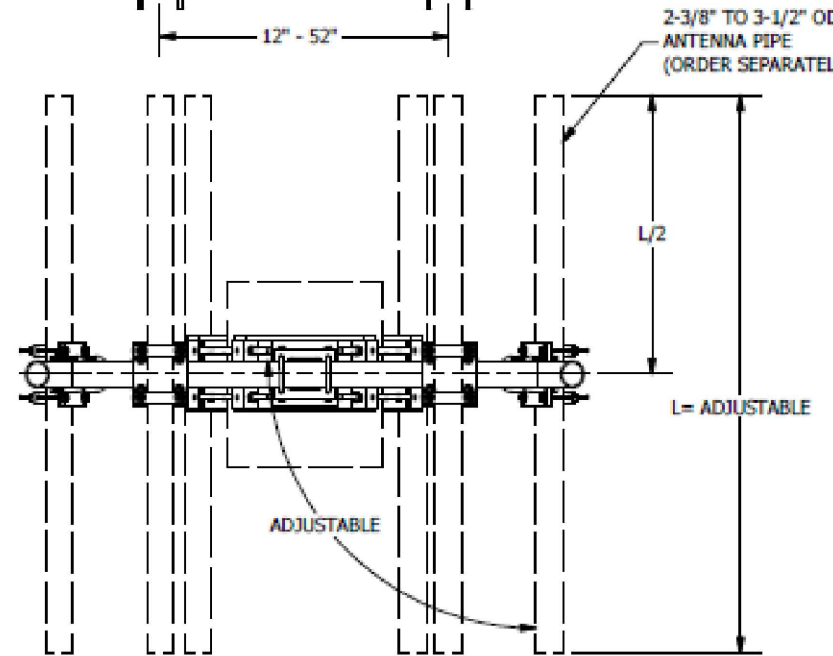
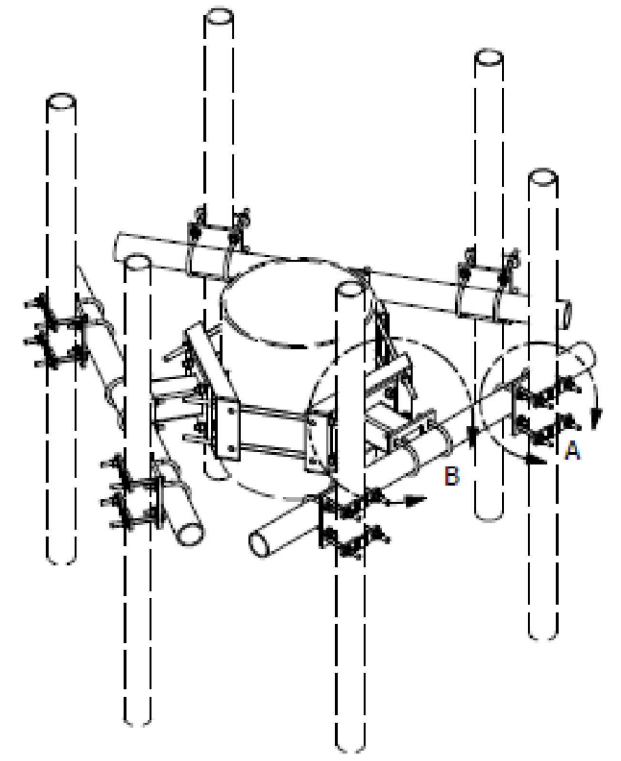
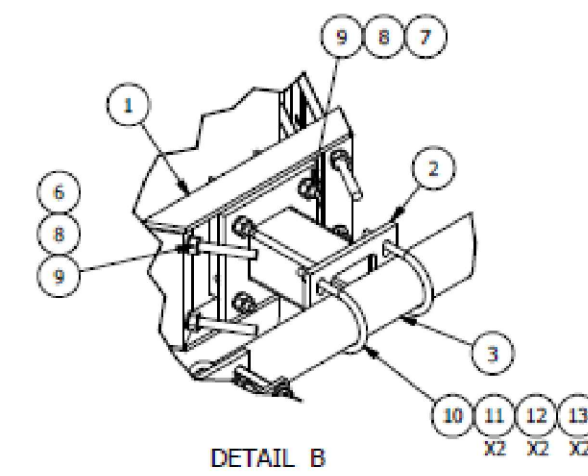
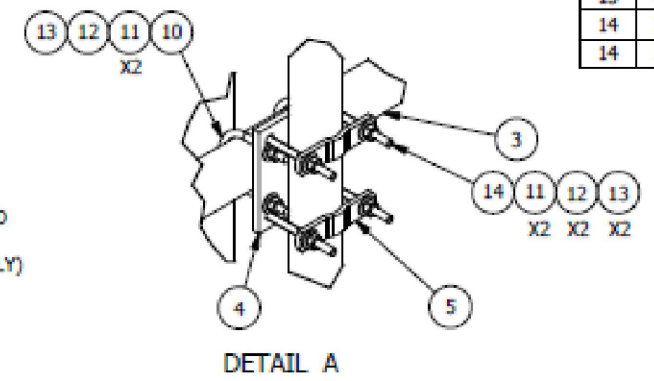
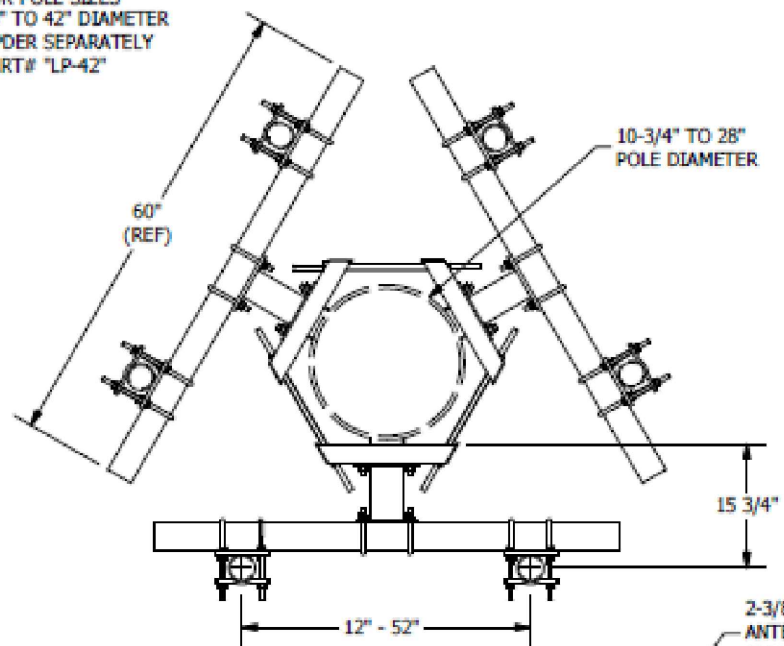
FIRSTNET
JEMEZ SPRINGS
NML02659A
17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE
**COMMNET EQUIPMENT
DETAILS &
SPECIFICATIONS**

SHEET NUMBER
A-4.6

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	X-UGLM	MINI RING MOUNT WELDMENT		21.67	65.00
2	3	X-WWM01	8" STAND-OFF ARM / WALL MOUNT		18.12	54.37
3	3	P360	3-1/2" X 60" (3" SCH 40) GALVANIZED PIPE	60 in	37.97	113.90
4	6	SC07	CROSSOVER PLATE	8 in	7.55	45.29
5	12	X-115765	5" V-CLAMP	7 1/16 in	1.03	12.31
6	6	G58R-14	5/8" x 14" THREADED ROD (HDG.)	14 in	0.40	2.39
6	6	G58R-24	5/8" x 24" THREADED ROD (HDG.)	24 in	0.40	2.39
7	12	G5802	5/8" x 2" HDG HEX BOLT GR5	2 in	0.27	3.24
8	24	G58LW	5/8" HDG LOCKWASHER		0.03	0.63
9	24	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	3.12
10	18	X-UB1358	1/2" X 3-5/8" x 5-1/2" X 3" U-BOLT	5 1/2 in	0.77	13.90
11	84	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.86
12	60	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.83
13	60	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	4.30
14	24	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	6 1/2 in	0.41	9.83
14	24	G12045	1/2" x 4.5" HDG HEX BOLT GR5 FULL THREAD	4 1/2 in	0.30	7.15
TOTAL WT. #						356.53


NOTE:
FOR POLE SIZES
28" TO 42" DIAMETER
ORDER SEPARATELY
PART# "LP-42"



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 ARE $\pm 1/2$ DEGREE
ALL OTHER MACHINING (± 0.030)
ALL OTHER ASSEMBLY (± 0.060)

PROPRIETARY NOTE:
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DESCRIPTION DUAL ANTENNA POLE MOUNT ASSEMBLY 15-3/4" STANDOFF 10-3/4" TO 28" MONOPOLE DIAMETER			
CPD NO.	DRAWN BY BMC 1/24/2011	ENGL. APPROVAL	PART NO. UDS-NP
CLASS	SUB	DRAWING USAGE	CHECKED BY
81	01	CUSTOMER	CEK 8/27/2012
DWG. NO. UDS-NP		PAGE 1 OF 1	










Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

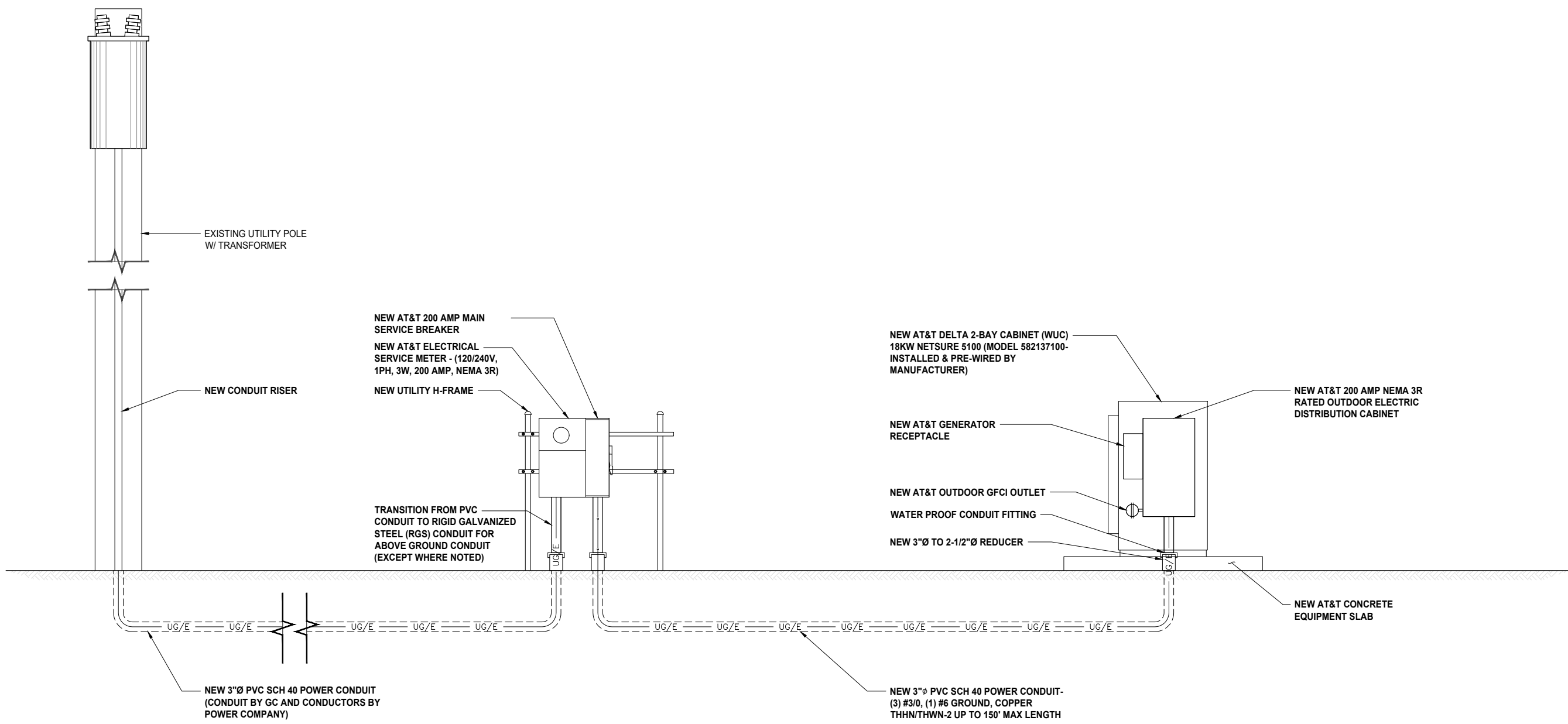
Engineering Support Team:
1-888-763-7446

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	REDRAWN IN INV.		KCB	8/27/2012

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SYMBOLS KEY			
	DISCONNECT SWITCH		FUSE
	OR  UTILITY METER		GENERATOR
	CIRCUIT BREAKER		LIGHT SWITCH




Commnet
Connecting Rural America



SAC
A Nokia company
5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacw.com



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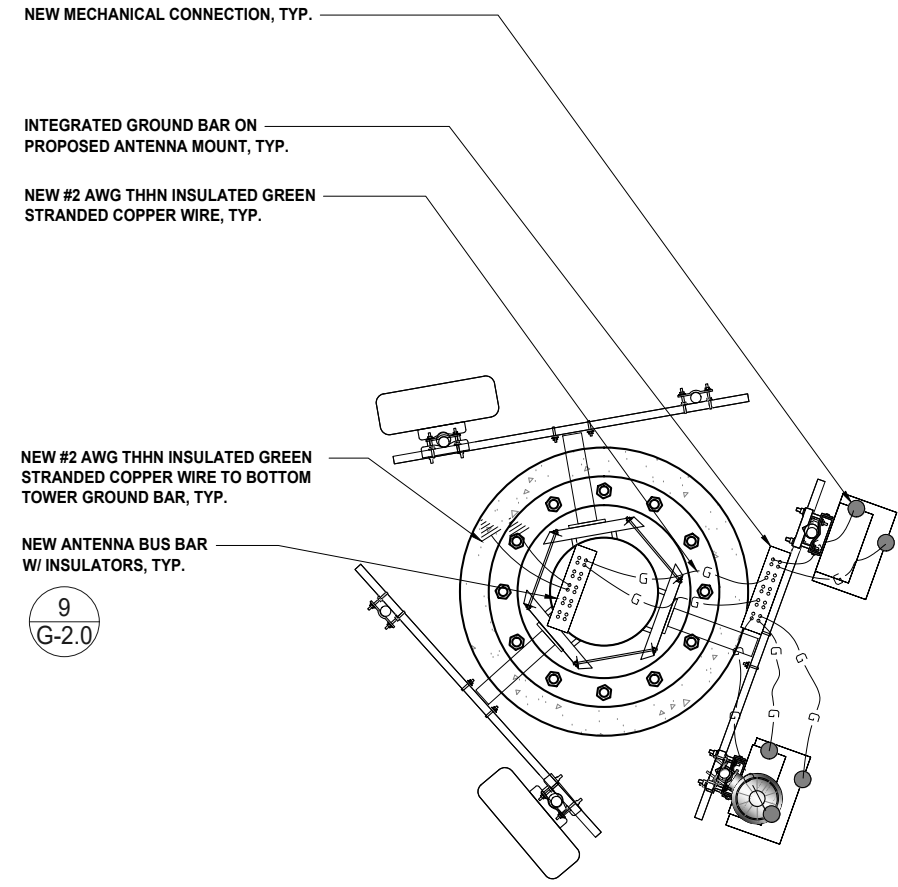
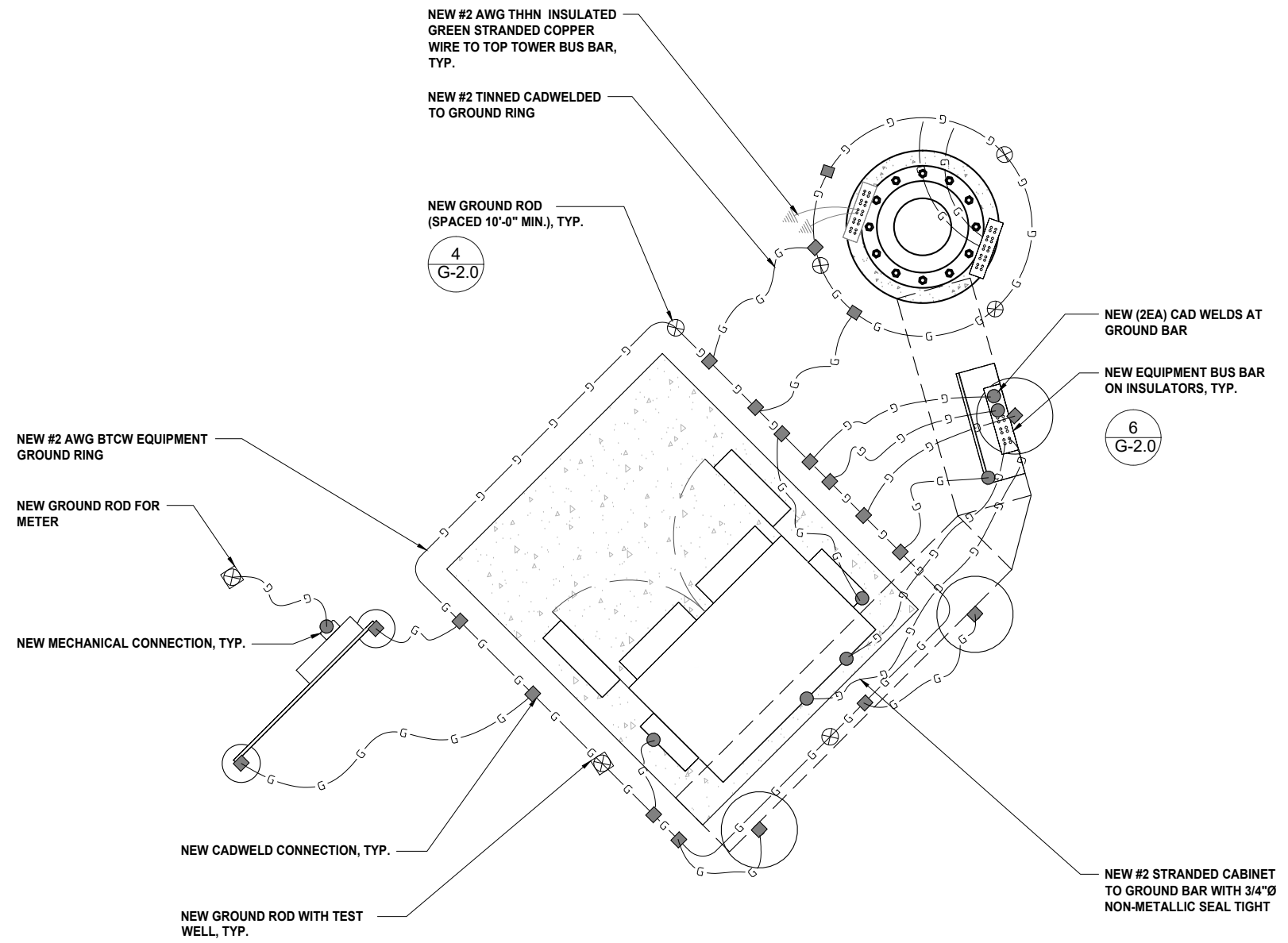
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NML02659A
17816 HIGHWAY 4
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SHEET TITLE
1-LINE DIAGRAM & SYMBOLS KEY AT&T

SHEET NUMBER
E-1.0

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PROPOSED AT&T EQUIPMENT GROUNDING PLAN

0 6" 1' 2' SCALE: 1/2"=1'-0" (22x34)
(OR) 1/4"=1'-0" (11x17)

2

PROPOSED AT&T ANTENNA GROUNDING PLAN

0 3" 6" 1' SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

1



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SHEET TITLE
AT&T EQUIPMENT & ANTENNA GROUNDING PLANS

SHEET NUMBER
G-1.0



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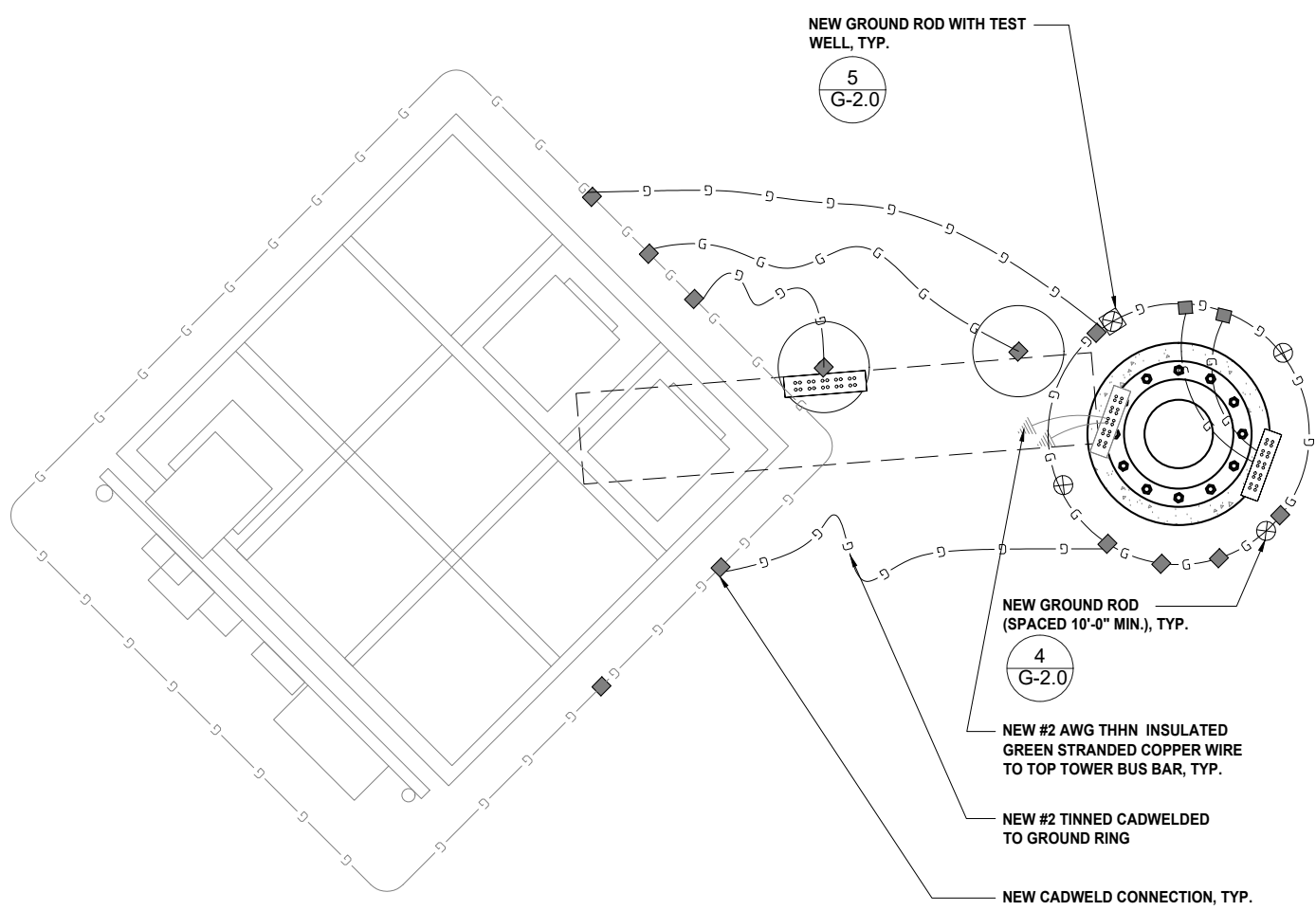
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17816 HIGHWAY 4
JEMEZ SPRINGS, NM 87025

SHEET TITLE
COMMNET EQUIPMENT & ANTENNA GROUNDING PLANS

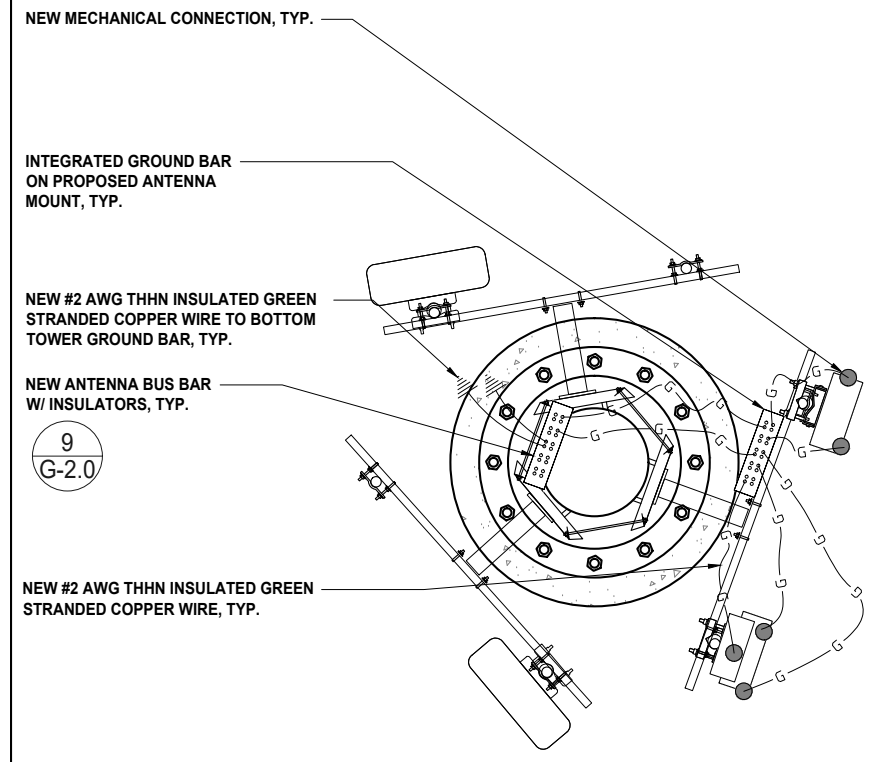
SHEET NUMBER
G-1.1



0 6" 1' 2' SCALE: 1/2"=1'-0" (22x34)
(OR) 1/4"=1'-0" (11x17)

2

PROPOSED COMMNET ANTENNA GROUNDING PLAN

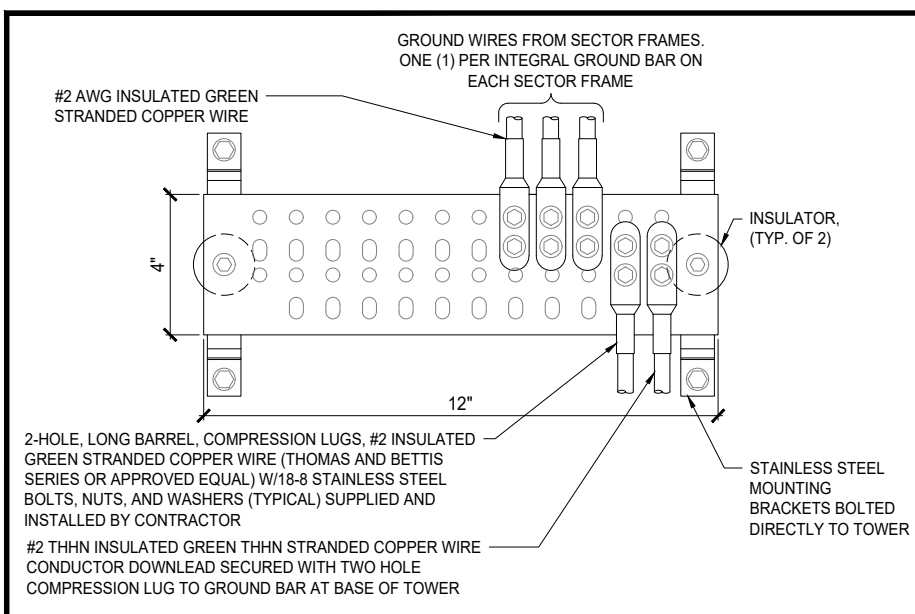


0 3' 6" 1' SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

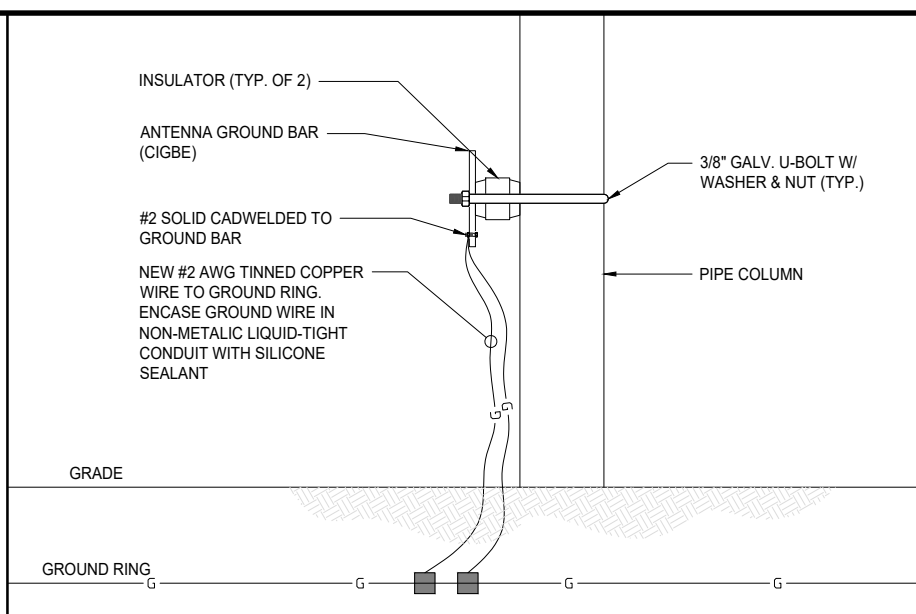
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PROPOSED COMMNET EQUIPMENT GROUNDING PLAN

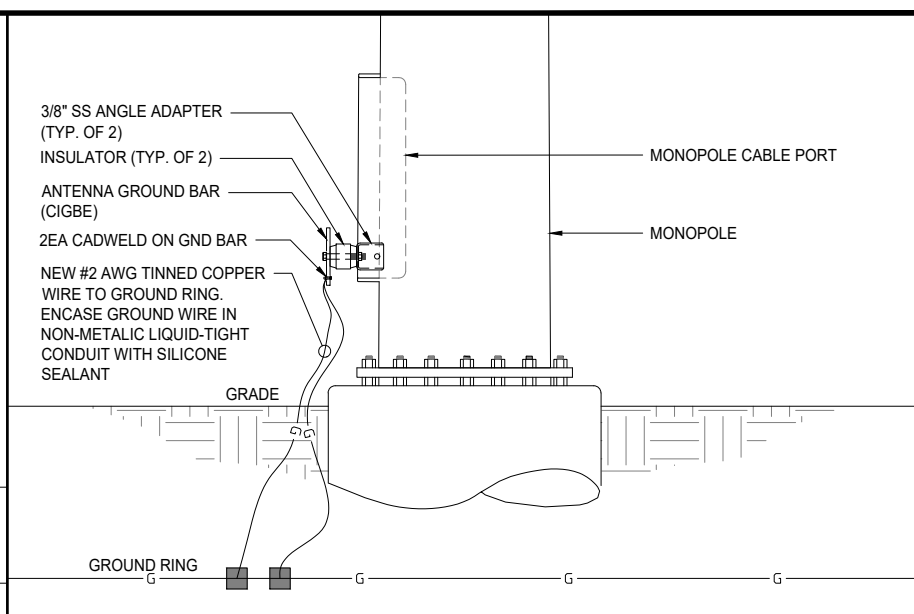
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GROUND BAR DETAIL NTS 9



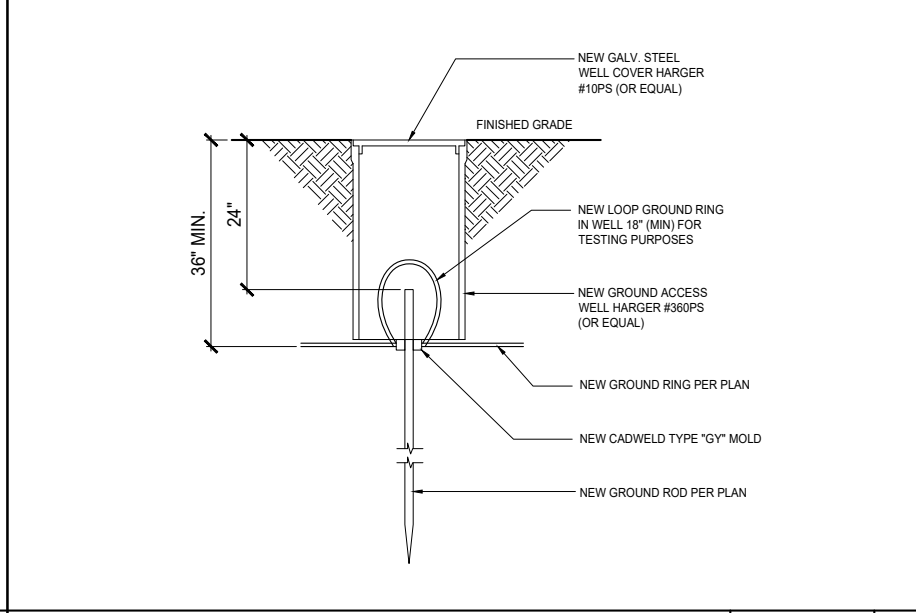
EQUIPMENT GROUND BAR NTS 6



MONOPOLE GROUND DETAIL NTS 3



NOT USED 8 TEST WELL NTS 5



NOT USED 7 GROUND ROD NTS 4

SYMBOL	DESCRIPTION
⊗	COPPER GROUND ROD
●	MECHANICAL CONNECTION
■	CADWELD CONNECTION
⋈	FIELD VERIFY & TIE INTO EXISTING GROUNDING SYSTEM
⊗	TEST WELL
⊠	GROUND BAR
—G—	GROUNDING WIRE

GROUNDING LEGEND SCALE N.T.S. 2

- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
- GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS, FOLLOW ANTENNA AND BTS MANUFACTURES PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELDS AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
- ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
- GROUND TEST MUST PASS LESS THAN 5 OHMS AND SUBMIT IN CLOSEOUT PACKAGE.
- CONTRACTOR TO ABIDE BY ALL AT&T SAFETY STANDARDS DURING SITE CONSTRUCTION.
- CONTRACTOR SHALL REFER TO AT&T STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.
- NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
- GROUNDING ROD NOTES (WHERE APPLICABLE)
- ELECTRICAL CONTRACTOR SHALL PERFORM AND PROVIDE THE GROUND RESISTANCE TESTING WITH AN APPROVED EQUIPMENT DEVICE THAT HAS A CURRENT CALIBRATION. TEST RESULTS SHALL NOT EXCEED 5 OHMS.

NOT USED 7 GENERAL GROUNDING NOTES SCALE N.T.S. 1



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SHEET TITLE
GROUNDING NOTES & DETAILS

SHEET NUMBER
G-2.0