GENERAL NOTES:
1. NO SCALE BUILDING DIMENSIONS FROM DRAWINGS. SITE, LOCATION, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
3. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND CONSTRUCTION SPECIFICATIONS. ALL DRAWINGS AND SPECIFICATIONS SHALL BE CONSTRUED AS AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND NO AMENDMENTS OR ADDITIONS TO THE SAME SHALL BE PERMITTED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT/ENGINEER.
4. 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.
5. REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE IN, IN A COLOR THAT CONTRASTS TO THE SURFACE BACKGROUND AND SHALL BE PERMANENTLY Displayed.
6. AN APPROVED METHOD TO neutralize spilled ELECTRICITY shall BE PROVIDED IN THE BATTERY ROOM.
7. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS shall BE IN ACCORDANCE WITH THE NEAR FIRE HOSE FITTINGS, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE BUILDING FIRE INSPECTOR.
8. CONTRACTOR IS NOT TO USE ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH INSTRUCTION CODE REGULATIONS.
9. EXIT DOORS SHALL BE OPEN TO THE INSIDE WITHOUT THE USE OF ANY KEY OR SPECIAL KNOWLEDGE OR EFFORT.
10. ALL ADDRESS NUMBERS SHALL BE A MINIMUM OF INCHES HIGH AND PLAINLY VISIBLE FROM ROADSIDE.
11. CONTRACTOR IS NOT TO USE ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH INSTRUCTION CODE REGULATIONS.
12. ALL MATERIALS shall BE MAINTAINED IN A FLAMMABLE REJECTION CONDITION (NEW MEXICO INTERNATIONAL, FIRE CODE §101).

PAINTING NOTES & SPECIFICATIONS:
1. ALL SITE WORK shall BE CAREFULLY CoORDINATED BY THE GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANIES, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

CONCRETE:
1. WOODEN FRAME CONSTRUCTION:
2. ALL WOOD - 18/8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-CRACK SEALANT OR PROTECTIVE COAT, THEN APPLY A CASEMENT WINDOW COATING TO THE OUTSIDE OF THE WOOD FRAME.

GROUNDING NOTES:
1. ALL WIRE-BARE TAPPED SILL-STOP CORD CONDUCTORS TO GROUND-BAR. 12 AWG BARE TAPPED SIll-STOP CORD CONDUCTORS TO GROUND-BAR.
2. ALL WIRING - 18/8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-CRACK SEALANT OR PROTECTIVE COAT, THEN APPLY A CASEMENT WINDOW COATING TO THE OUTSIDE OF THE WOOD FRAME.

SHEET METAL:
1. DO NOT USE ALUMINUM OR COPPER CONDUCTORS, THEY ARE NOT ACCEPTABLE MATERIALS.
2. ALL STEEL - 18/8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-CRACK SEALANT OR PROTECTIVE COAT, THEN APPLY A CASEMENT WINDOW COATING TO THE OUTSIDE OF THE WOOD FRAME.
### COMMNET COLOR CODE

#### Cable Color Code Schedule

<table>
<thead>
<tr>
<th>Technology</th>
<th>Cable Type</th>
<th>Tape Color</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTE</td>
<td>Power Trunk</td>
<td>1 Orange Wrap</td>
<td>Additional Power or Fiber Trunks for LTE, Add 1 Additional Wrap</td>
</tr>
<tr>
<td>LTE</td>
<td>Fiber Trunk</td>
<td>1 Orange Wrap</td>
<td>Additional Power or Fiber Trunks for LTE, Add 1 Additional Wrap</td>
</tr>
<tr>
<td>GSM/UMTS</td>
<td>Power Trunk</td>
<td>1 Yellow Wrap</td>
<td>Additional Power or Fiber Trunks for GSM/UMTS, Add 1 Additional Wrap</td>
</tr>
<tr>
<td>GSM/UMTS</td>
<td>Fiber Trunk</td>
<td>1 Purple Wrap</td>
<td>Additional Power or Fiber Trunks for GSM/UMTS, Add 1 Additional Wrap</td>
</tr>
<tr>
<td>CDMA/EVDO</td>
<td>Power Trunk</td>
<td>1 Green Wrap</td>
<td>Additional Power or Fiber Trunks for CDMA, Add 1 Additional Wrap</td>
</tr>
<tr>
<td>CDMA/EVDO</td>
<td>Fiber Trunk</td>
<td>1 Purple Wrap</td>
<td>Additional Power or Fiber Trunks for CDMA, Add 1 Additional Wrap</td>
</tr>
<tr>
<td>UMTS</td>
<td>Power Trunk</td>
<td>1 White Wrap</td>
<td>Additional Power or Fiber Trunks for UMTS, Add 1 Additional Wrap</td>
</tr>
<tr>
<td>UMTS</td>
<td>Fiber Trunk</td>
<td>1 White Wrap</td>
<td>Additional Power or Fiber Trunks for UMTS, Add 1 Additional Wrap</td>
</tr>
<tr>
<td>EVDO</td>
<td>Power Trunk</td>
<td>1 White Wrap</td>
<td>Additional Power or Fiber Trunks for DO, Add 1 Additional Wrap</td>
</tr>
<tr>
<td>EVDO</td>
<td>Fiber Trunk</td>
<td>1 White Wrap</td>
<td>Additional Power or Fiber Trunks for DO, Add 1 Additional Wrap</td>
</tr>
</tbody>
</table>

#### Technology Cable Type | Color | Comments

- **LTE**
  - Power Jumper: 1 Orange + Freq-Sector
  - Fiber Jumper: 1 Orange + Freq-Sector
- **GSM/UMTS**
  - Power Jumper: 1 Yellow + Freq-Sector
  - Fiber Jumper: 1 Yellow + Freq-Sector
- **CDMA/EVDO**
  - Power Jumper: 1 Green + Freq-Sector
  - Fiber Jumper: 1 Green + Freq-Sector
- **UMTS**
  - Power Jumper: 1 Purple + Freq-Sector
  - Fiber Jumper: 1 Purple + Freq-Sector
- **EVDO**
  - Power Jumper: 1 White + Freq-Sector
  - Fiber Jumper: 1 White + Freq-Sector

#### Frequency | Color | Technology | Cable Type | Tape Color

- **700 MHz**
  - Black/Blank: LTE/RET
- **850 MHz**
  - Grey: GSM/UMTS/RET
- **1900 MHz**
  - Brown: CDMA/EVDO/RET
  - UMTS/RET

#### Sector | Cable Type | Color

- **X**: Coax Jumper: Red
- **Y**: Coax Jumper: White
- **Z**: Coax Jumper: Blue
SURVEY OF EXISTING SITE

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.

SURVEYOR'S NOTES:
1. THIS SURVEY IS A COMPILED INFORMATION AND SHOULD BE CONSIDERED AS A PUBLICATION. IT IS TO BE USED FOR INFORMATION PURPOSES ONLY, IT DOES NOT CONSTITUTE A LEGAL DESCRIPTION OR COPIES THAT WERE NOT PROPERLY FILED FOR RECORD AT THE TIME OF PREPARATION OF THIS SURVEY.
2. THIS SURVEY IS INTENDED TO SHOW THE PROPERTY DESCRIPTION AND SHOW INFORMATION. PURPOSES ONLY; IT DOES NOT REPRESENT A LEGAL DESCRIPTION OR CERTIFIED COPY OF THE DECREE APPROPRIATELY FILED FOR RECORD AT THE TIME OF PREPARATION OF THIS SURVEY.
PROPPOSED OVERALL SITE PLAN

SCALE: 1"=1'-0" (11x17)

NOTES:

- 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

OVERALL SITE PLAN

PROPOSED OVERALL SITE PLAN

OVERALL DEMOLITION PLAN

SCALE: 1"=1'-0" (11x17)
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 w/ Equip Intlt <35C @ 46C ambient)
   - Dimensions (W x H x D): 689" x 42" (50" including HEX) x 80" (add 6" plinth)
   - Protection class: NEMA4
   - Door latches: 3 point latches (can be pad locked)
   - Ground bar: 2ea 10-positions
   - Lifting Mechanism: 4 lifting handles
   - Equipment Compartment: Bay 1 - 23", 19RU for DC Power System and PDU
   - Bay 2 - 23", 44RU for equipment
   - Shelves for 3 strings batteries, designed for:
     - GNB Marathon M12/180FT
     - Exines M18/190FT
     - Exines M18/190FT
   - Weight: 1680 lbs (Batteries, Power System and Load Equipment excluded)
   - Materials: Enclosure Aluminum AL5052, inner frames Galvanized steel
   - Finish: Powder Paint RAL 7032
   - Safety: UL 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 +167°F)
   - Acoustics: 85 dBA @ 100 equipment inlet, 75 dBA @ 50 equipment inlet
   - Humidity (relative): 95%, non-condensing (Max.)

3. Mechanical Equipment
   - Cooling system: Equipment compartment: 2 200mm/K Thermoshell HEX
   - Heating system: Equipment 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) Round Edn Entry 24/4 multi-port (not provided)
     - Rear Lower: Arranged for (3) Round Edn Entry 16/12 multi-port (not provided)
     - Upper Rear: Arranged for (1) Valmont E350 port kit (not provided)

5. Optional Item
   - Optional Items:
     - NEQ 20115 - Dual GPS Antenna Mast Kit (Delta 3798100742-S)
     - NEQ 20114 - Wave Guide Top Plate (Valmont E375)

6. Ordering information
   - System: NEQ 202102-Cabinet-2-Bay-2-HEX (Delta ESOF020-HCV02)

*All specifications are subject to change without prior notice.*
ANTENNA MOUNTING FRAME (SITE PRO 1 PART #: UDS-NP)

REMOTE RADIO UNIT
ANTENNA MOUNTING INTERFACE
PIPED CLAMP MOUNTING BRACKET SUPPLIED W/RRU
PIPED CLAMP FOR RRU, SUPPLIED W/RRU

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

REMOTE RADIO UNIT
ANTENNA MOUNTING INTERFACE
PIPED CLAMP MOUNTING BRACKET SUPPLIED W/RRU
PIPED CLAMP FOR RRU, SUPPLIED W/RRU

RADIO AHLSA (OR SIMILAR)

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)

SIDE VIEW
FRONT VIEW
BOTTOM VIEW

RADIO AHFIB (OR SIMILAR)

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)

SIDE VIEW
FRONT VIEW
BOTTOM VIEW

RADIO AHFIB (OR SIMILAR)

MANUFACTURER: NOKIA
MODEL: AHLBA
MECHANICAL
NET WEIGHT: 101.4 LBS
DIMENSION (LxWxD): 28.7"X15.4"X9.5"

RADIO AHFIB (OR SIMILAR)

MANUFACTURER: NOKIA
MODEL: AHFIB
MECHANICAL
NET WEIGHT: 66.1 LBS
DIMENSION (LxWxD): 22.05"X12.13"X5.87"
FIBER TRENCH

- RESTORE SURFACE MATERIAL TO ORIGINAL CONDITION AFTER INSTALLATION OF UTILITIES;
- GRADE SURFACE TO LEVEL UNDISTURBED SOIL
- BACKFILL EARTH TO 90% RELATIVE COMPACTION PER ASTM D1557
- UTILITY WARNING TAPE ENTIRE LENGTH OF CONDUIT RUN
- BACKFILL SAND OR NATIVE SOIL W/ SAND EQUIVALENT GREATER THAN 30 COMPACT TO 90% RELATIVE COMPACTION PER ASTM D1557

1" PVC SCH 40 FIBER CONDUIT WHERE APPLICABLE (OR PVC SIZING AS REQ'D PER CABLE SIZE)

POWER TRENCH

- RESTORE SURFACE MATERIAL TO ORIGINAL CONDITION AFTER INSTALLATION OF UTILITIES;
- GRADE SURFACE TO LEVEL UNDISTURBED SOIL
- BACKFILL EARTH TO 90% RELATIVE COMPACTION PER ASTM D1557
- UTILITY WARNING TAPE ENTIRE LENGTH OF CONDUIT RUN
- BACKFILL SAND OR NATIVE SOIL W/ SAND EQUIVALENT GREATER THAN 30 COMPACT TO 90% RELATIVE COMPACTION PER ASTM D1557

3" PVC SCH 40 ELECTRICAL CONDUIT WHERE APPLICABLE (OR PVC SIZING AS REQ'D PER POWER PROVIDER DESIGN)

DUAL UTILITY TRENCH

- RESTORE SURFACE MATERIAL TO ORIGINAL CONDITION AFTER INSTALLATION OF UTILITIES;
- GRADE SURFACE TO LEVEL UNDISTURBED SOIL
- BACKFILL EARTH TO 90% RELATIVE COMPACTION PER ASTM D1557
- UTILITY WARNING TAPE ENTIRE LENGTH OF CONDUIT RUN
- BACKFILL SAND OR NATIVE SOIL W/ SAND EQUIVALENT GREATER THAN 30 COMPACT TO 90% RELATIVE COMPACTION PER ASTM D1557

1" PVC SCH 40 FIBER CONDUIT WHERE APPLICABLE (OR PVC SIZING AS REQ'D PER CABLE SIZE)

3" PVC SCH 40 ELECTRICAL CONDUIT WHERE APPLICABLE (OR PVC SIZING AS REQ'D PER POWER PROVIDER DESIGN)
This site will cover the terms of Jemez Springs from Roadside Road north to Bandolier Road, and they 400 feet from Jemez Rd and Reservation Rd.

Sector Information

Note that all post specific and callout information will be on each in Plumbing Diagram

![Diagram showing antenna and equipment placement with callouts for Jemez Springs sector information.]


Diagram below are for representation purposes only, the backof the antenna will vary slightly different. It will be an antenna for example.

[Diagram showing antenna setup and equipment placement with callouts for Jemez Springs sector information.]

100% Coverage Added to Coverage Extension for Jemez Springs.

John M. Banks
Architect
ANTENNA MOUNTING FRAME (SITE PRO 1 PART #: UDS-NP)
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.

Connecting Rural America

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 NEW MEXICO.

JOHN M. BANKS
ARCHITECT

G 09/02/20
YH 09/24/21
YH 10/04/21
YH 10/18/21
YH 11/02/21

NEW AT&T 200 AMP NEMA 3R RATED OUTDOOR ELECTRIC DISTRIBUTION CABINET
NEW AT&T GENERATOR RECEPTACLE
NEW AT&T OUTDOOR GFCI OUTLET
NEW 3"Ø TO 2-1/2"Ø REDUCER WATERPROOF CONDUIT FITTING
NEW 3" Ø PVC SCH 40 POWER CONDUIT (CONDUIT BY GC AND CONDUCTORS BY POWER COMPANY)
NEW 3/4" PVC SCH 40 POWER CONDUIT - 3-Phase, 4-Wire Ground, Copper Thhn/Thwn-2 Up To 150' Max Length
NEW AT&T CONCRETE EQUIPMENT SLAB

EXISTING UTILITY POLE W/ TRANSFORMER
NEW AT&T 180 AMP MAIN SERVICE BREAKER
NEW AT&T ELECTRICAL SERVICE METER - (120/240V, 1Ph, 200 AMP, NEMA 3R)
NEW UTILITY H-FRAME
NEW CONDUIT RISER
TRANSITION FROM PVC CONDUIT TO RIGID GALVANIZED STEEL (RGS) CONDUIT FOR ABOVE GROUND CONDUIT (EXCEPT WHERE NOTED)

SYMBOLS KEY

EXISTING UTILITY POLE W/ TRANSFORMER
NEW AT&T 180 AMP MAIN SERVICE BREAKER
NEW AT&T ELECTRICAL SERVICE METER - (120/240V, 1Ph, 200 AMP, NEMA 3R)
NEW UTILITY H-FRAME
NEW CONDUIT RISER
TRANSITION FROM PVC CONDUIT TO RIGID GALVANIZED STEEL (RGS) CONDUIT FOR ABOVE GROUND CONDUIT (EXCEPT WHERE NOTED)

AT&T 1-LINE DIAGRAM
GROUND WIRE FROM SECTOR FRAMES ONE (1) PER INTERNAL GROUND BAR ON EACH SECTOR FRAME.

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
2. 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 MANUFACTURER'S PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHEATHS AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
3. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
4. GROUND TEST MUST PASS LESS THAN 5 OHMS AND SUBMIT IN CLOSEOUT PACKAGE.
5. CONTRACTOR TO ABIDE BY ALL AT&T SAFETY STANDARDS DURING SITE CONSTRUCTION.
6. CONTRACTOR SHALL REFER TO AT&T STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.
7. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
8. GROUNDING ROD NOTES (WHERE APPLICABLE)
9. 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.