



# TOWN OF JACKSON PLANNING & BUILDING DEPARTMENT

## TRANSMITTAL MEMO

### Town of Jackson

- ☒ Public Works/Engineering
- ☒ Building
- ☐ Title Company
- ☒ Town Attorney
- ☒ Police

### Joint Town/County

- ☒ Parks and Recreation
- ☒ Pathways
- ☒ Joint Housing Dept

### Teton County

- ☐ Planning Division

- ☐ Engineer
- ☐ Surveyor- *Nelson*
- ☐ Assessor
- ☐ Clerk and Recorder
- ☐ Road and Levee

### State of Wyoming

- ☐ Teton Conservation
- ☐ WYDOT
- ☐ TC School District #1
- ☐ Game and Fish
- ☐ DEQ

### Federal Agencies

- ☐ Army Corp of Engineers

### Utility Providers

- ☐ Qwest
- ☐ Lower Valley Energy
- ☐ Bresnan Communications

### Special Districts

- ☒ START
- ☒ Jackson Hole Fire/EMS
- ☐ Irrigation Company

|   |   |
|---|---|
| Date: July 7, 2022  | <b>REQUESTS:</b><br><br>The applicant is submitting a request for a Basic Use Permit to modify existing wireless communication facility located at 160 S Millward Ave. legally known as LOTS 7,8,9,10 WORT-2 (PARKING GARAGE), PIDN: 22-41-16-33-1-08-003<br>For questions, please call Katelyn Page at 307-733-0440, x1302 or email to the address shown below. Thank you. |
| Item #: P22-171   |   |
| Planner: Katelyn Page<br><br>Phone: 307-733-0440 ext. 1302<br><br>Email: kpage@jacksonwy.gov  |   |
| <b>Owner</b><br>Town of Jackson<br>150 E Pearl Ave.<br>Jackson, WY 83001<br><br><b>Applicant:</b><br>AT&T Mobility<br>7670 S Chester St. 3 <sup>rd</sup> fl<br>Centennial, CO 80112 |   |
| <b>Please respond by: July 18, 2022 (Sufficiency)<br/>July 28, 2022 (with Comments)</b>   |   |

**RESPONSE:** For Departments not using Trak-it, please send responses via email to:  
[alangley@jacksonwy.gov](mailto:alangley@jacksonwy.gov)



**PLANNING PERMIT APPLICATION**  
**Planning & Building Department**

150 E Pearl Ave. | ph: (307) 733-0440  
P.O. Box 1687 | [www.townofjackson.com](http://www.townofjackson.com)  
Jackson, WY 83001

**For Office Use Only**

Fees Paid \_\_\_\_\_ Date & Time Received \_\_\_\_\_  
Application #s \_\_\_\_\_

**Please note:** Applications received after 3 PM will be processed the next business day.

**PROJECT.**

Name/Description: AT&T Technology Upgrade: JACKSON SQUARE RELO - IDL04511\_14284658  
Physical Address: 160 South Millward Street Jackson, WY 83001  
Lot, Subdivision: 7, 8, 9: Wort Addition 2nd PIDN: 22-41-16-33-1-08-003

**PROPERTY OWNER.**

Name: Town of Jackson Phone: (307) 733-3932  
Mailing Address: 150 E. Pearl Avenue Jackson, WY ZIP: 83001  
E-mail: rtaylor@jacksonwy.gov

**APPLICANT/AGENT.**

Name: AT&T Mobility / Cathi Peterson Phone: 480-235-4174  
Mailing Address: 7670 S. Chester St. 3rd Floor Centennial, CO ZIP: 80112  
E-mail: cathi.peterson@smartlinkgroup.com

**DESIGNATED PRIMARY CONTACT.**

\_\_\_\_\_ Property Owner ☒ \_\_\_\_\_ Applicant/Agent

**TYPE OF APPLICATION.** Please check all that apply; review the type of application at [www.townofjackson/200/Planning](http://www.townofjackson/200/Planning)

**Use Permit**

☒ Basic Use  
\_\_\_\_\_ Conditional Use  
\_\_\_\_\_ Special Use

**Relief from the LDRs**

\_\_\_\_\_ Administrative Adjustment  
\_\_\_\_\_ Variance  
\_\_\_\_\_ Beneficial Use Determination  
\_\_\_\_\_ Appeal of an Admin. Decision

**Physical Development**

\_\_\_\_\_ Sketch Plan  
\_\_\_\_\_ Development Plan  
\_\_\_\_\_ Design Review

**Subdivision/Development Option**

\_\_\_\_\_ Subdivision Plat  
\_\_\_\_\_ Boundary Adjustment (replat)  
\_\_\_\_\_ Boundary Adjustment (no plat)  
\_\_\_\_\_ Development Option Plan

**Interpretations**

\_\_\_\_\_ Formal Interpretation  
\_\_\_\_\_ Zoning Compliance Verification

**Amendments to the LDRs**

\_\_\_\_\_ LDR Text Amendment  
\_\_\_\_\_ Map Amendment

**Miscellaneous**

\_\_\_\_\_ Other: \_\_\_\_\_  
\_\_\_\_\_ Environmental Analysis

**PRE-SUBMITTAL STEPS.** To see if pre-submittal steps apply to you, go to [www.townofjackson.com/200/Planning](http://www.townofjackson.com/200/Planning) and select the relevant application type for requirements. Please submit all required pre-submittal steps with application.

Pre-application Conference #: \_\_\_\_\_ Environmental Analysis #: \_\_\_\_\_

Original Permit #: \_\_\_\_\_ Date of Neighborhood Meeting: \_\_\_\_\_

**SUBMITTAL REQUIREMENTS.** Please ensure all submittal requirements are included. The Planning Department will not hold or process incomplete applications. Partial or incomplete applications will be returned to the applicant. Go to [www.townofjackson.com/200/Planning](http://www.townofjackson.com/200/Planning) and select the relevant application type for submittal requirements.

Have you attached the following?

X **Application Fee.** Fees are cumulative. Go to [www.townofjackson.com/200/Planning](http://www.townofjackson.com/200/Planning) and select the relevant application type for the fees.

X **Notarized Letter of Authorization.** A notarized letter of consent from the landowner is required if the applicant is not the owner, or if an agent is applying on behalf of the landowner. Please see the Letter of Authorization template at <http://www.townofjackson.com/DocumentCenter/View/845/LetterOfAuthorization-PDF>.

X **Response to Submittal Requirements.** The submittal requirements can be found on the TOJ website for the specific application. If a pre-application conference is required, the submittal requirements will be provided to applicant at the conference. The submittal requirements are at [www.townofjackson.com/200/Planning](http://www.townofjackson.com/200/Planning) under the relevant application type.

**Note:** Information provided by the applicant or other review agencies during the planning process may identify other requirements that were not evident at the time of application submittal or a Pre-Application Conference, if held. Staff may request additional materials during review as needed to determine compliance with the LDRs.

Under penalty of perjury, I hereby certify that I have read this application and associated checklists and state that, to the best of my knowledge, all information submitted in this request is true and correct. I agree to comply with all county and state laws relating to the subject matter of this application, and hereby authorize representatives of Teton County to enter upon the above-mentioned property during normal business hours, after making a reasonable effort to contact the owner/applicant prior to entering.

Cathi Peterson  
Signature of Property Owner or Authorized Applicant/Agent

Cathi Peterson  
Name Printed

7/7/2022  
Date  
Real Estate Project Manager  
Title



Town of Jackson  
150 E Pearl Avenue  
PO Box 1687, Jackson, WY 83001  
P: (307)733-3932 F: (307)739-0919  
www.jacksonwy.gov

Date: July 5, 2022

# **LETTER OF AUTHORIZATION** **NAMING APPLICANT AS OWNER'S AGENT**

**PRINT** full name of property owner as listed on the deed when it is an individual OR print full name and title of President or Principal Officer when the owner listed on the deed is a corporation or an entity other than an individual : Town of Jackson

Being duly sworn, deposes and says that Town of Jackson is the owner in fee of the premises located at:  
Name of property owner as listed on deed

Address of Premises: 160 South Millward St Jackson, WY 83001

Legal Description: Part of the NE1/4NE1/4 Section 33 T. 41 N., R., 116 W., 6th P.M. Jackson County, Wyoming

Please attach additional sheet for additional addresses and legal descriptions

And, that the person named as follows: Name of Applicant/agent: Cathi Peterson / Smartlink

Mailing address of Applicant/agent: 1997 Annapolis Exchange Pkwy Suite 200 Annapolis, MD 21401

Email address of Applicant/agent: cathi.peterson@smartlinkgroup.com

Phone Number of Applicant/agent: 480-235-4174

Is authorized to act as property owner's agent and be the applicant for the application(s) checked below for a permit to perform the work specified is this(these) application(s) at the premises listed above:

- ☐ Development/Subdivision Plat Permit Application      ☐ Building Permit Application  
☐ Public Right of Way Permit    ☐ Grading and Erosion Control Permit    ☐ Business License Application  
☐ Demolition Permit                      ☒ Other (describe) Basic Use Permit

Under penalty of perjury, the undersigned swears that the foregoing is true and, if signing on behalf of a corporation, partnership, limited liability company or other entity, the undersigned swears that this authorization is given with the appropriate approval of such entity, if required.

[Signature]  
Property Owner Signature

Title if signed by officer, partner or member of corporation, LLC (secretary or corporate owner) partnership or other non-individual Owner

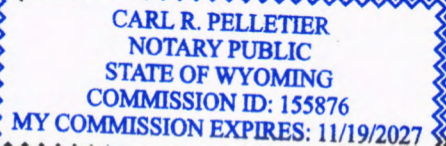
STATE OF Wyoming )  
 ) SS.  
COUNTY OF Teton )

The foregoing instrument was acknowledged before me by Roxanne Robinson this 6  
day of July. WITNESS my hand and official seal.

[Signature]  
Notary Public

My commission expires

11/19/2027





Contracted to  AT&T Mobility

July 7, 2022

Town of Jackson Planning Department  
150 E. Pearl Avenue  
PO Box 1687

**RE: Proposed modifications of AT&T Wireless Communication Facility located in the Town of Jackson**  
Project Site Info: IDL04511/ Jackson Square Relo/ FA14284658/ 5G NR 1SR CBAND, DoD  
Site Address: **160 South Millward St. Jackson, WY 83001**

### PROJECT NARRATIVE

AT&T will be performing a technology upgrade project on a pre-existing wireless communication site located on the parking structure located at 160 South Millward St. There will be no increase to the height of the structure, not an expansion or disturbance of the ground space involved in this project. All current stealthing measures will remain in place. All new equipment will remain behind the existing screen walls. Construction is estimated to take place between 11/28/2022 – 12/18/2022 during normal business hours. AT&T is proposing the following changes:

#### Rooftop Work:

- Remove (6) Antennas
- Remove (9) RRHs
- Install (6) Antennas
- Install (3) RRHs

#### Shelter Work:

- Install (1) Indoor Vertiv Battery Rack
- Install (4) 190 AH Batteries
- Install (1) AMIA, (3) ABIO and (1) ASIL

I certify that this project scope of work is in compliance with all non-discretionary structural, electrical, energy, building and safety codes.

AT&T Technology Upgrade Project: Jackson Square Relo – IDL04511  
FA: 14284658  
160 South Millward St. Jackson, WY 83001

**July 6, 2022**

Town of Jackson Planning Department

VIA Electronic Delivery

**RE: Request for Minor Modification to Existing Wireless Facility- Section 6409/47 CFR §1.6100 (“6409”)**

**Site Address: 160 South Millward Street Jackson, WY 83001**

To Whom it May Concern:

On behalf of New Cingular Wireless PCS, LC (“AT&T”) we are pleased to submit this request to modify AT&T’s existing wireless communication site at the location referenced above, as an Eligible Facilities Request for a minor modification under Section 6409 and Federal Communications Commission (“FCC”) rules. This request is being made pursuant to Section 6409 of the federal Middle Class Tax Relief and Job Creation Act of 2012, 47 U.S.C 1455(a) and complies with all regulations set forth therein.

#### **Scope of Work**

AT&T proposes the following minor modifications to this site. (Please note: all work will be performed wholly within the existing premises and utility easements; this site contains a stealth wall as concealment and the project otherwise complies with the site’s prior conditions of approval.)

| <b>Component</b>                                       | <b>Federal Section 6409 Limits</b>  | <b>AT&amp;T’s Proposed Modification</b>                            |
|--|---|--|
| Increase height of original structure                  | 10 feet or less   | No increase in Height  |
| Antennas extending horizontally from edge of structure | 6 feet or less  | Antennas extend 0 feet horizontally from edge of structure         |
| Additional equipment cabinets                          | 4 or fewer (does not include separately mounted radios and other pieces of equipment); no new ground-mounted cabinets if there were none before; if there were ground-mounted cabinets, then no new ground-mounted cabinets more than 10% larger than the existing cabinets | 0 additional equipment cabinets;<br>No new ground-mounted cabinets |

#### **Concealment Elements**

The facility is a stealth-designed rooftop facility, consisting of equipment concealed behind PDF screen walls. The proposed modification will continue to effectively stealth the wireless facility by remaining behind the existing screen wall and therefore will not defeat the existing concealment.

FCC Shot Clock for Section 6409 Minor Modifications

AT&T requests approval of the following applications, as well as any other authorizations necessary, for its proposed minor modification under Section 6409:

- Basic Use Permit

The FCC requires that all authorizations related to 6409 applications be completed within 60 days after filing.

Based on a filing date of 7/6/2022, the projected shot-clock deadline for a decision is 9/6/2022. Our goal is to work with you to obtain approval of this minor modification earlier than the deadline. We will respond promptly to any request for information you may have for our application. Please let us know how we can work with you to expedite the approval process. We look forward to working with you on this important project, which will significantly improve wireless telecommunications services in your community without requiring an additional site. Should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

*Cathi Peterson*



**Cathi Peterson**  
**Real Estate Project Manager**  
[cathi.peterson@smartlinkgroup.com](mailto:cathi.peterson@smartlinkgroup.com)  
c. 480-235-4174  
[www.smartlinkgroup.com](http://www.smartlinkgroup.com)

*Celebrating 20 Years*

Link with us.







# at&t

## IDL04511

## JACKSON SQUARE RELO

## FA#: 14284658

## PTN#: 3770A13AM1/3770A13AM2/3770A13BLS

### PACE ID: MRUTH050629, MRUTH050639, MRUTH050563

### 56'-5" ROOFTOP

### 5G NR 1SR CBAND, 4TXRX ANTENNA RETROFIT

#### SITE INFORMATION

TOWER OWNER: TOWN OF JACKSON

SITE NUMBER-NAME: IDL04511-JACKSON SQUARE RELO

SITE ADDRESS: 160 S MILLWARD STREET  
JACKSON, WY 83001 .

COUNTY: TETON

LATITUDE: 43.477676°  
(43° 28' 39.63473" N)

LONGITUDE: -110.76427°  
(-110° 45' 51.37306" W)

GROUND ELEVATION: 56.5' ROOFTOP

OCCUPANCY TYPE: UNMANNED  
ZONING JURISDICTION: TOWN OF JACKSON  
ZONING CODE: P/SP  
PARCEL NUMBER: 22-41-16-33-1-08-003

POWER PROVIDER: LOWER VALLEY ENERGY  
TELCO PROVIDER: CENTURY LINK

#### CONTACT INFORMATION

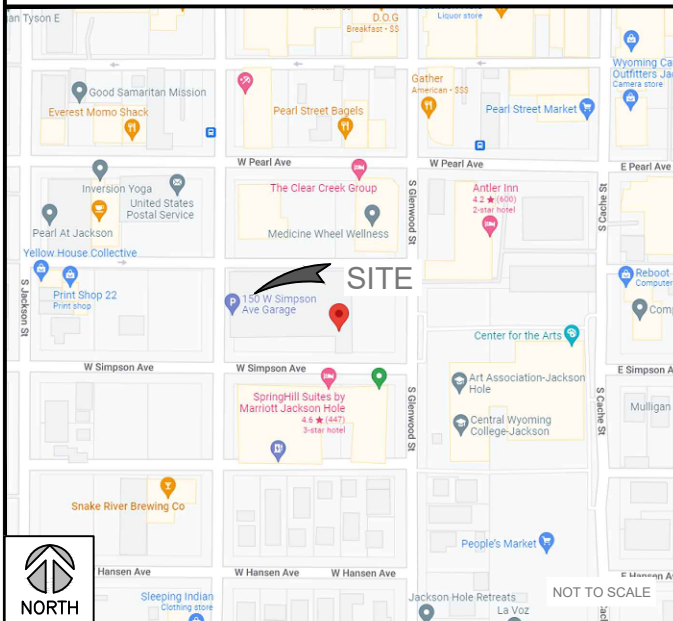
A&E SERVICES:  
TRILEAF CORPORATION  
1821 WALDEN OFFICE SQUARE  
SUITE 500  
SCHAUMBURG, IL 60173  
CONTACT: HILDA ALLAWIRDI  
PHONE: (630) 227-0202 EXT. 537  
EMAIL: h.allawirdi@trileaf.com

SITE ACQUISITION SERVICES:  
SMARTLINK GROUP, LLC  
1997 ANNAPOLIS EXCH. PKWY  
SUITE 200  
ANNAPOLIS, MD 21401  
CONTACT: TAMARA SHIVELEY  
PHONE: (801) 230-4877

#### APPLICABLE CODES

BUILDING CODE 2021 IBC  
ELECTRICAL CODE 2020 NEC  
TIA-222-H

#### VICINITY MAP



#### SITE PHOTO



#### DRIVING DIRECTIONS

DIRECTIONS STARTING FROM JACKSON AIRPORT:

355 W DELONEY AVE APARTMENT B-7, JACKSON, WY 83001, UNITED STATES. HEAD EAST TOWARD W DELONEY AVE, RESTRICTED USAGE ROAD. TURN RIGHT ONTO W DELONEY AVE, PARTIAL RESTRICTED USAGE ROAD. TURN RIGHT ONTO W BROADWAY, SHARP LEFT ONTO W PEARL AVE. TURN RIGHT ONTO S MILLWARD ST. TURN LEFT ONTO W SIMPSON AVE, DESTINATION WILL BE ON THE LEFT. 24 S GLENWOOD ST JACKSON, WY 83001, USA.

#### DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

#### DRAWING INDEX

| SHEET NO. | DESCRIPTION                    | REV |
|-----------|--------------------------------|-----|
| T-1       | TITLE SHEET                    | 1   |
| GN-1      | GENERAL NOTES                  | 1   |
| C-1       | SITE PLAN                      | 1   |
| C-2       | EQUIPMENT PLAN                 | 1   |
| C-3       | TOWER ELEVATIONS               | 1   |
| C-4       | ANTENNA PLANS                  | 1   |
| C-5       | RF WARNING & EQUIPMENT DETAILS | 1   |
| C-6       | EQUIPMENT DETAILS              | 1   |
| E-1       | ELECTRICAL DIAGRAM             | 1   |
| G-1       | GROUNDING DETAILS              | 1   |

#### SCOPE OF WORK

RFDS VERSION : 2.00 DATE UPDATED: 12/06/2021

##### EQUIPMENT LEVEL

- ADD -48 INDOOR VERTIV BATTERY RACK
- ADD (4) 190AH BATTERIES
- ADD (1) AMIA, ADD (3) ABIO, ADD (1) ASIL

##### ANTENNA LEVEL

- REMOVE (3) SBNHH-1D65A ANTENNAS (AT POS.1) ALL SECTOR
- REMOVE (3) SBNHH-1D65A ANTENNAS (AT POS.3) ALL SECTOR
- REMOVE (3) B25 RRH4X30-4R RRHS FROM POS.1 (1 PER SECTOR)
- REMOVE (3) B25/66 320W AHFIB RRHS FROM POS.3 (1 PER SECTOR)
- REMOVE (3) RRH 4T4R B14 160W FRBI FROM POS.4 (1 PER SECTOR)
- INSTALL (3) AEQU (POS.1) 5G-BAND ANTENNAS WITH INTEGRATED AEQU RRH
- INSTALL (3) AEQK (POS.3) 5G-DOD ANTENNAS WITH INTEGRATED AEQK RRH
- INSTALL (3) RRH 4T4R B12/14/29 370W AHLBBA TO POS. 4 (1 PER SECTOR)



Smartlink LLC

1997 Annapolis Exch Pkwy # 200  
Annapolis, MD 21401  
Tel: 410-263-LINK (5465)  
Fax: 410-263-5470  
www.smartlinkllc.com



TRILEAF  
architecture | engineering

1515 DES PERES ROAD, STE 200  
SAINT LOUIS, MISSOURI 63131  
PHONE | 314-997-6111 FAX | 314-997-9886

693249

#### REVISIONS

| REV | DATE     | DESCRIPTION           | INT |
|-----|----------|-----------------------|-----|
| 0   | 03/16/22 | ISSUED FOR REVIEW 90% | GK  |
| 1   | 05/11/22 | ISSUED FOR FINAL      | JG  |



#### SITE INFORMATION

SITE #: IDL04511  
SITE NAME: JACKSON SQUARE  
RELO  
FA #: 14284658

160 S MILLWARD STREET  
JACKSON, WY 83001

#### SHEET TITLE:

TITLE SHEET

#### SHEET NUMBER:

T-1



GENERAL CONSTRUCTION NOTES:

1.     FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
- GENERAL CONTRACTOR: TBD  
SUBCONTRACTOR: TBD
2.     ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T PROJECT SPECIFICATIONS.
3.     GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4.     ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
5.     ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
6.     UNLESS OTHER WISE, THE WORK SHALL INCLUDE FURNISHING, MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7.     PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO BE FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ARCHITECT/ENGINEERPRIOR TO PROCEEDING WITH WORK.
8.     THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9.     IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE SPACE FOR APPROVAL BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING.
10.    GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF 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 AND LOCAL JURISDICTION.
11.    GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLES.
12.    ERECTION SHALL BE DONE IN A WORK MANLIKE MANNER BY COMPETENT EXPERIENCED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
13.    SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUB CONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
14.    WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUB CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWING PRIOR TO THE BEGINNING CONSTRUCTION.
15.    SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
16.    THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTORS EXPENSE TO THE SATISFACTION OF THE OWNER.
17.    THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
18.    GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
19.    THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
20.    THE GENERAL CONTRACTOR SHALL MAINTAIN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISION, ADDENDA, AND CHANGES ORDERS ON THE PREMISES AT ALL TIMES.
21.    CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION, EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
22.    THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH GRADE AND COMPACTED TO 95 PERCENT STANCE PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE, ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL, PRE-APPROVED BY THE LOCAL JURISDICTION.
23.    ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.

ELECTRICAL GROUNDING SPECIFICATIONS:

1.     GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE CURRENTLY IN EFFECT FOR THE AUTHORITY HAVING JURISDICTION.
2.     ALL GROUNDING DEVICE SHALL BE U.L. LISTED FOR THEIR INTENDED USE.
3.     GROUND WIRES SHALL BE TINNED #2 AWG BARE SOLID COPPER UNLESS OTHERWISE NOTED.
4.     CONNECTIONS OF ALL GROUND WIRES TO THE GROUND RING SHALL BE EXOTHERMIC (CAD-WELDED), UNLESS OTHERWISE NOTED AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AT&T WIRELESS BROADBAND STANDARDS.
5.     GROUNDING CONDUCTORS SHALL BE ROUTED ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE WHEN REQUIRED. GROUND LEADS SHALL BE BENT TO A MINIMUM OF 8' RADIUS.
6.     WHERE GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO THE GROUND RING, INSTALL WIRE IN 314' HEAVY WALL LIQUID TIGHT FLEXIBLE CONDUIT FROM CONNECTION POINT TO 5' BELOW GRADE AND SEAL THE TOP WITH SILICONE SEALANT.
7.     ALL GROUND BARS SHALL BE TINNED COPPER, SECTOR BARS 2", COLLECTOR AND MGB BARS 4", OF SUFFICIENT LENGTH TO ACCOMMODATE ALL REQUIRED CONNECTIONS WITHOUT DOUBLING LIGS, AND EACH INSTALLED WITH ISOLATORS. WHEN CONNECTING GROUND BARS (WITHIN 10 FEET OF GRADE) DIRECTLY TO THE GROUND RING, 2 EA. #2 SOLID DOWNLEADS SHALL BE CAD-WELDED TO THE GROUNDING, 1 AT EACH OPPOSITE BOTTOM CORNER, AND EACH SHALL RUN IN 3/4" HEAVY WALL LIQUID TIGHT FLEXIBLE CONDUIT FROM GROUND BAR DOWN TO THE GROUND RING. WHEN CONNECTING SECTOR GROUND BARS, DAISY-CHAIN THE GROUND BARS AND RUN 1 EA. #2 AWG STRANDED COPPER WIRE WITH THWN INSULATION FROM THE MIDDLE GROUND BAR TO THE GROUND RING AND CAD-WELD TO THE RING.
8.     WHEN ATTACHING STRANDED GROUND LEADS TO THE GROUND BARS, 2 HOLE COMPRESSION LUGS SHALL BE USED, PROTECT WITH WEATHERPROOF HEAT SHRINK, AND WITH A THIN COAT OF "KOP'R SHIELD" OR EQUIVALENT PROPERLY APPLIED AND ATTACHED ONLY WITH STAINLESS STEEL HARDWARE.
9.     WHEN GROUNDING EQUIPMENT ENCLOSURES, PANELS, FRAMES, AND OTHER METAL APPARATUS, A #6 AV/G STRANDED COPPER WIRE WITH THWN INSULATION SHALL BE ATTACHED UTILIZING A 2 HOLE COMPRESSION TYPE LUG, PROTECTED WITH WEATHERPROOF HEAT A CLEAN AND CORROSION FREE METALLIC SURFACE UTILIZING STAINLESS STEEL SELF-TAPPING SCREWS AS NOTED IN NOTE 10 BELOW.
10.    PREPARE ALL BONDING SURFACES FOR GROUND CONNECTIONS BY REMOVING ANY AND ALL PAINT AND CORROSION TO SHINY METAL. CAD-WELDED CONNECTIONS TO NON-GOPPER SURFACES, APPLY ONE COAT OF ANY ANTI-OXIDIZING PAINT, "COLD GALV" OR EQUIVALENT.
11.    GROUND RODS SHALL BE COPPER-CLAD STEEL 5/8"x10', SPACED NO LESS THAN 10' ON CENTER.
12.    ALL GROUND SYSTEM CONDUCTORS AND CONDUITS SHALL BE SECURED UTILIZING ONLY NONMETALLIC, NON-CONDUCTIVE, UV RATED CLAMPS, BRACKET, AND OR SUPPORTS.
13.    WHEN REQUIRED, THE CONTRACTOR SHALL ENGAGE THE SERVICES OF AN INDEPENDENT TESTING FIRM TO VERIFY, UTILIZING A MEGGER TEST, THAT THE RESISTANCE TO EARTH OF THE NEW GROUND SYSTEM IS EQUAL TO OR LESS THAN 5 (OHMS). A COPY OF THE COMPLETE TESTING REPORT SHALL BE PROVIDED TO THE AT&T REPRESENTATIVE.
14.    ALL MATERIALS AND HARDWARE SHALL BE INSTALLED IN A WORKMAN-LIKE MANNER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND DEFINED IN NFPA-70.
15.    ALL RRH GROUND WIRES SHALL BE #2 GREEN STRANDED.
16.    ALL GROUND LUGS SHALL BE 2-HOLE LONG BARRELL.
17.    OUTDOOR GROUNDS SHALL BE BLACK HEAT SHRINK W/O INSPECTION HOLES.
18.    INDOOR GROUNDS SHALL BE CLEAR HEAT SHRINK W/ INSPECTION HOLES.

ANTENNA PIPE MOUNTS:

1.     PROPOSED OR REPLACEMENT ANTENNA PIPE MOUNTS SHALL BE 2-3/8" (O.D.)X10', SCH. 80 PIPE, UNLESS NOTED OTHERWISE.



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SITE INFORMATION

SITE #: IDL04511  
SITE NAME: JACKSON SQUARE  
RELO  
FA #: 14284658

160 S MILLWARD STREET  
JACKSON, WY 83001

SHEET TITLE:

GENERAL NOTES

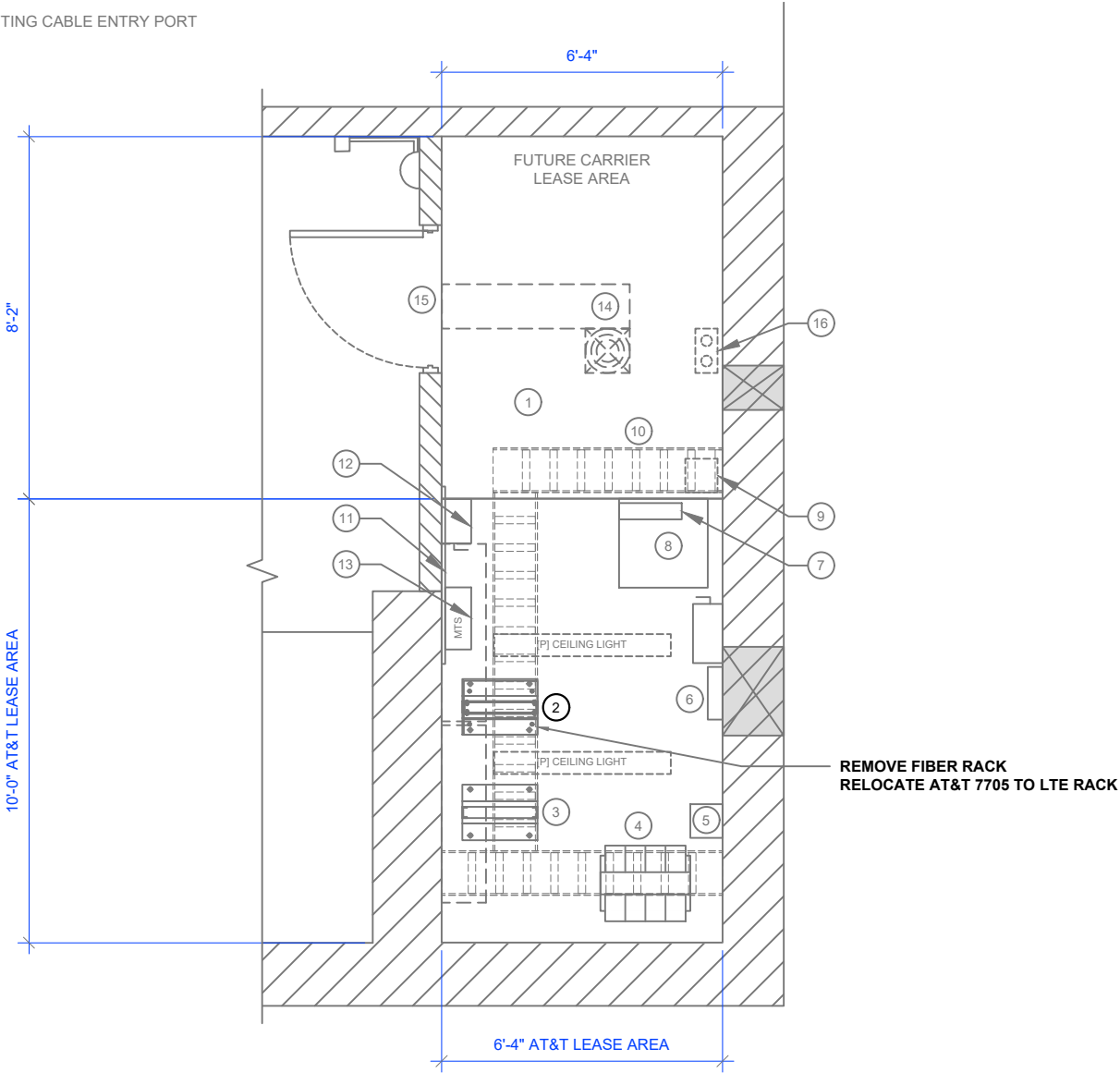
SHEET NUMBER:

GN-1



KEY NOTES:

- 1 EXISTING AT &T EQUIPMENT ROOM
- 2 REMOVE FIBER RACK, RELOCATE AT&T 7705 TO LTE RACK
- 3 EXISTING AT&T LTE RACK
- 4 EXISTING AT&T PDF, -48V INDOOR VERTIV DC PLANT W/ 3 STRINGS OF 190AH BATTERIES
- 5 EXISTING ALUMINUM SHAFT
- 6 EXISTING AT&T LOAD CENTER & SURGE PROTECTION PANEL
- 7 EXISTING AT&T DISCONNECT SWITCH
- 8 EXISTING TRANSFORMER
- 9 EXISTING COAX PORT OPENING IN CEILING FOR FEEDLINES
- 10 EXISTING CABLE RACK
- 11 EXISTING TELCO BOARD
- 12 EXISTING AT&T EQUIPMENT
- 13 EXISTING AT&T EQUIPMENT
- 14 EXISTING HVAC DUCTING
- 15 EXISTING ACCESS DOOR
- 16 EXISTING CABLE ENTRY PORT



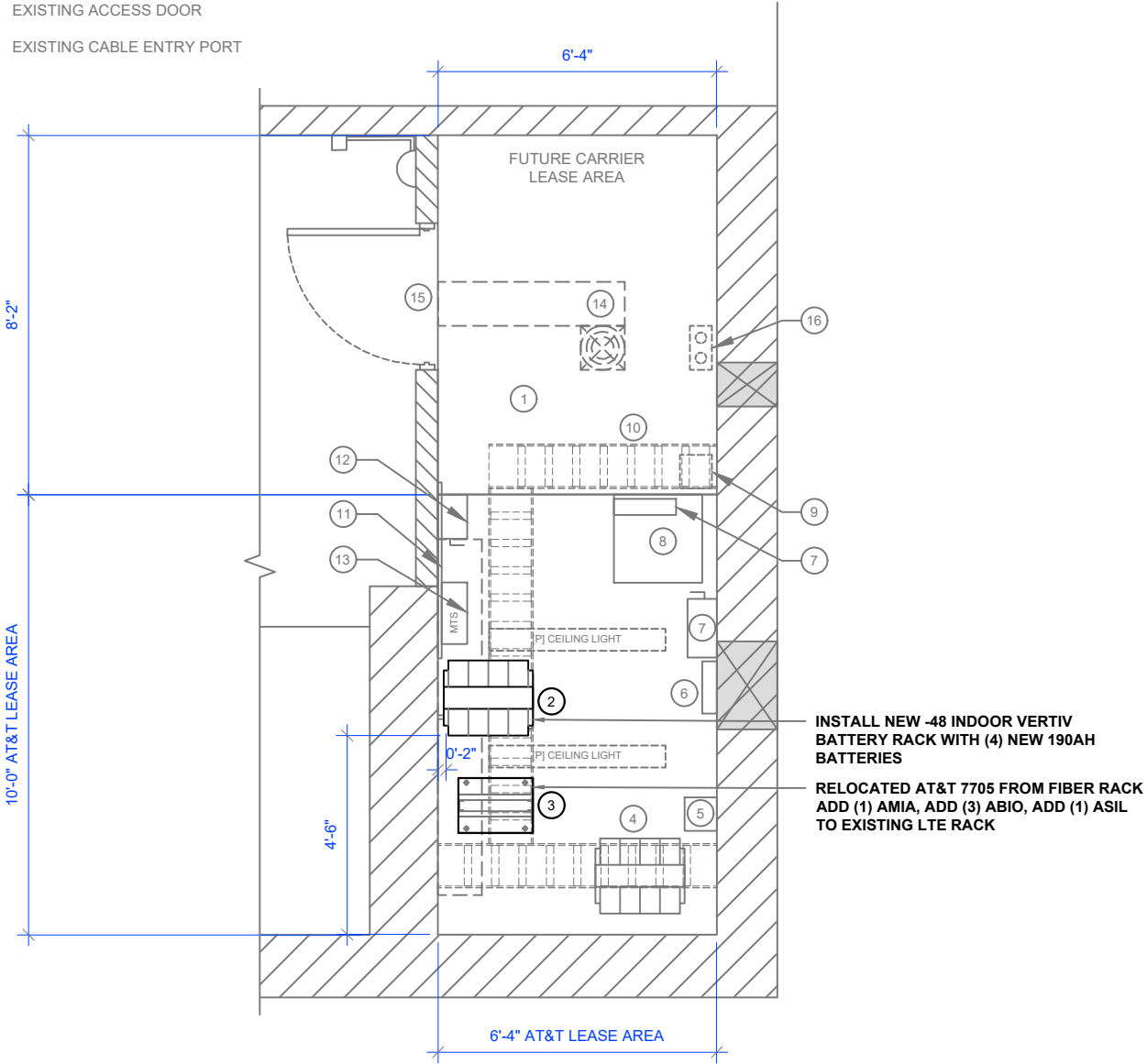
EXISTING EQUIPMENT PLAN



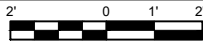
SCALE: 1/2" = 1'-0" (24x36)  
(OR) 1/4" = 1'-0" (11x17)

KEY NOTES:

- 1 EXISTING AT &T EQUIPMENT ROOM
- 2 INSTALL NEW -48 INDOOR VERTIV BATTERY RACK WITH (4) NEW 190AH BATTERIES
- 3 EXISTING AT&T LTE RACK  
RELOCATED AT&T 7705 FROM EXISTING FIBER RACK  
ADD (1) AMIA, ADD (3) ABIO, ADD (1) ASIL
- 4 EXISTING AT&T PDF, -48V INDOOR VERTIV DC PLANT W/ 3 STRINGS OF 190AH BATTERIES
- 5 EXISTING ALUMINUM SHAFT
- 6 EXISTING AT&T LOAD CENTER & SURGE PROTECTION PANEL
- 7 EXISTING AT&T DISCONNECT SWITCH
- 8 EXISTING TRANSFORMER
- 9 EXISTING COAX PORT OPENING IN CEILING FOR FEEDLINES
- 10 EXISTING CABLE RACK
- 11 EXISTING TELCO BOARD
- 12 EXISTING AT&T EQUIPMENT
- 13 EXISTING AT&T EQUIPMENT
- 14 EXISTING HVAC DUCTING
- 15 EXISTING ACCESS DOOR
- 16 EXISTING CABLE ENTRY PORT



NEW EQUIPMENT PLAN



SCALE: 1/2" = 1'-0" (24x36)  
(OR) 1/4" = 1'-0" (11x17)



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JACKSON, WY 83001

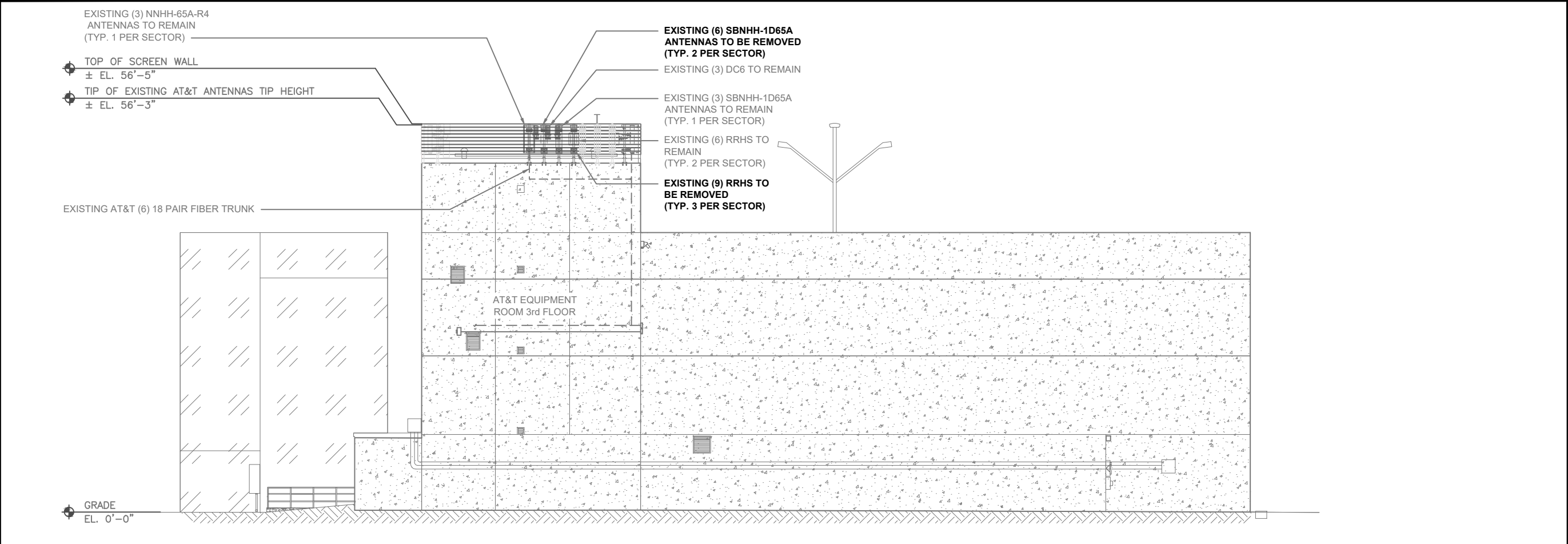
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EQUIPMENT PLAN

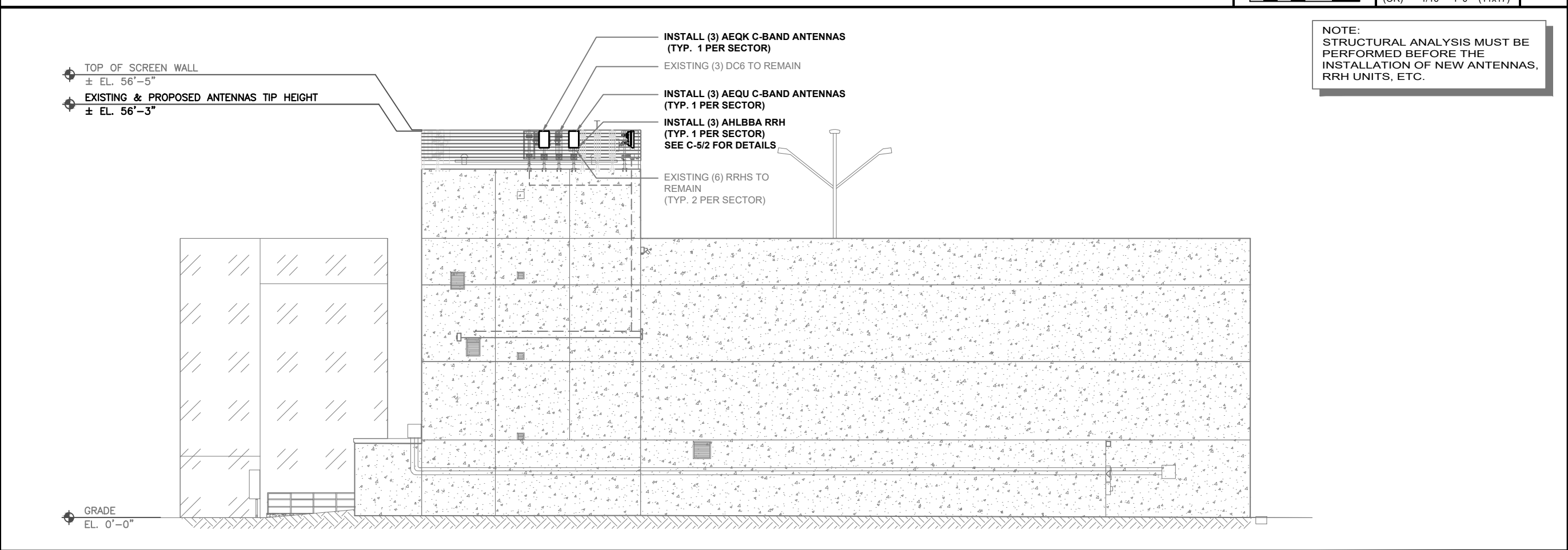
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C-2





EXISTING ELEVATION



PROPOSED ELEVATION



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SITE INFORMATION

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**SITE NAME:** JACKSON SQUARE  
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**FA #:** 14284658

160 S MILLWARD STREET  
JACKSON, WY 83001

SHEET TITLE:

**TOWER  
ELEVATIONS**

SHEET NUMBER:

**C-3**

## EXISTING ANTENNA PLAN

| EXISTING ANTENNA AND TRANSMISSION CABLE REQUIREMENT |    |              |             |                    |                    |        |       |
|---|----|--------------|-------------|--------------------|--------------------|--------|-------|
| SECTOR<br>RAD<br>CTR                                |    | ANTENNA TYPE | TECHNOLOGY  | ANTENNA<br>AZIMUTH | TRANSMISSION CABLE |        |       |
|   |    |              |             |                    | QTY                | LENGTH | TYPE  |
| ALPHA, 54°-0"                                       | A1 | SBNHH-1D65A  | UMTS 1900   | 15°                | -                  | 101'   | FIBER |
|   | A2 | SBNHH-1D65A  | LTE WCS     | 15°                | -                  | 101'   | FIBER |
|   | A3 | SBNHH-1D65A  | LTE 1900    | 15°                | -                  | 101'   | FIBER |
|   | A4 | NNHH-65A-R4  | LTE 700/AWS | 15°                | -                  | 101'   | FIBER |
|   |    |              |             |                    |                    |        |       |
| BETA, 54°-0"  | B1 | SBNHH-1D65A  | UMTS 1900   | 135°               | -                  | 87'    | FIBER |
|   | B2 | SBNHH-1D65A  | LTE WCS     | 135°               | -                  | 87'    | FIBER |
|   | B3 | SBNHH-1D65A  | LTE 1900    | 135°               | -                  | 87'    | FIBER |
|   | B4 | NNHH-65A-R4  | LTE 700/AWS | 135°               | -                  | 87'    | FIBER |
|   |    |              |             |                    |                    |        |       |
| GAMMA, 54°-0"                                       | C1 | SBNHH-1D65A  | UMTS 1900   | 255°               | -                  | 128'   | FIBER |
|   | C2 | SBNHH-1D65A  | LTE WCS     | 255°               | -                  | 128'   | FIBER |
|   | C3 | SBNHH-1D65A  | LTE 1900    | 255°               | -                  | 128'   | FIBER |
|   | C4 | NNHH-65A-R4  | LTE 700/AWS | 255°               | -                  | 128'   | FIBER |
|   |    |              |             |                    |                    |        |       |

### PROPOSED ANTENNA PLAN

| PROPOSED ANTENNA AND TRANSMISSION CABLE REQUIREMENT |              |             |                    |                    |        |      |       |
|---|--------------|-------------|--------------------|--------------------|--------|------|-------|
| SECTOR<br>RAD<br>CTR                                | ANTENNA TYPE | TECHNOLOGY  | ANTENNA<br>AZIMUTH | TRANSMISSION CABLE |        |      |       |
|   |              |             |                    | QTY                | LENGTH | TYPE |       |
| ALPHA, 54-0°  | A1           | AEQK        | 5G CBAND           | 15°                | -      | 101' | FIBER |
|   | A2           | SBNHH-1D65A | LTE WCS            | 15°                | -      | 101' | FIBER |
|   | A3           | AEQU        | 5G DOD             | 15°                | -      | 101' | FIBER |
|   | A4           | NNHH-65A-R4 | LTE 700/AWS/1900   | 15°                | -      | 101' | FIBER |
|   |              |             |                    |                    |        |      |       |
| BETA, 54-0°   | B1           | AEQK        | 5G CBAND           | 135°               | -      | 87'  | FIBER |
|   | B2           | SBNHH-1D65A | LTE WCS            | 135°               | -      | 87'  | FIBER |
|   | B3           | AEQU        | 5G DOD             | 135°               | -      | 87'  | FIBER |
|   | B4           | NNHH-65A-R4 | LTE 700/AWS/1900   | 135°               | -      | 87'  | FIBER |
|   |              |             |                    |                    |        |      |       |
| GAMMA, 54-0°  | C1           | AEQK        | 5G CBAND           | 255°               | -      | 128' | FIBER |
|   | C2           | SBNHH-1D65A | LTE WCS            | 255°               | -      | 128' | FIBER |
|   | C3           | AEQU        | 5G DOD             | 255°               | -      | 128' | FIBER |
|   | C4           | NNHH-65A-R4 | LTE 700/AWS/1900   | 255°               | -      | 128' | FIBER |
|   |              |             |                    |                    |        |      |       |

**NOTE TO CONTRACTOR:**

1. ANTENNA CLEARANCE AND MOUNTING TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FINAL ANTENNA SPECIFICATIONS MOUNTING HARDWARE AND RF DESIGN. ANTENNA PIPE MOUNT MODIFICATION MAY BE REQUIRED.
2. CONTRACTOR TO VERIFY FINAL ANTENNA CONFIGURATION FROM FINAL RFDS.
3. CONTRACTOR SHALL VERIFY A MINIMUM OF 4 FEET SEPARATION BETWEEN ALL ANTENNAS.
4. STRUCTURAL ANALYSIS MUST BE PERFORMED ON ALL ROOFTOPS, FLAGPOLES, LIGHT POLES, AND TOWER SITES BEFORE INSTALLATION OF NEW ANTENNAS, RRH UNITS, ETC.



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[illegible]

## SITE INFORMATION

**SITE #: IDL04511**  
**SITE NAME: JACKSON SQUARE**  
**RELO**  
**FA #: 14284658**

160 S MILLWARD STREET  
JACKSON, WY 83001

SHEET TITLE:

## ANTENNA PLANS

SHEET NUMBER:

C-4

NOT USED

SCALE: NTS 5

MANUFACTURER: VERTIV  
RACK (H x W x D):  
84" x 27.25" x 24"  
SHELF (H x W x D):  
13.27" x 21.57" x 21.16"  
SHELF WEIGHT CAPACITY:  
560 LBS/SHELF  
WEIGHT:  
(WITHOUT BATTERIES)  
3 SHELF ~575 lbs  
4 SHELF ~650 lbs  
5 SHELF ~725 lbs  
WEIGHT:  
(\*WITH BATTERIES)  
5 SHELF (\*20) ~3130 lbs

NOTE:  
(3) STRINGS OF 190AH BATTERIES  
ARE [INSUFFICIENT] ADD (4) 190AH  
BATTERIES AND INDOOR BATTERY  
RACK

BATTERY RACK DETAIL

SCALE: NTS 6

|                                      |       |       |                                      |                       |
|--------------------------------------|-------|-------|--------------------------------------|-----------------------|
| AIRSCALE DUAL RRH                    | WIDTH | DEPTH | HEIGHT W/O CABLE<br>MANAGEMENT COVER | WEIGHT<br>W/O BRACKET |
| RRH 4T4R<br>B12/14/29 370W<br>AHLBBA | 24"   | 7.8"  | 14"                                  | 94.79 LBS             |

NOTE:  
DIMENSIONS INCLUDE SOLAR SHIELD BUT NOT MOUNTING BRACKET.

RRH SPECIFICATIONS

SCALE: NTS 2

NOT USED

SCALE: NTS 3

NOT USED

SCALE: NTS 4

RF WARNING SIGNAGE

SCALE: NTS 1

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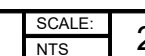
SHEET TITLE:

RF WARNING &  
EQUIPMENT DETAILS

SHEET NUMBER:

C-5







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160 S MILLWARD STREET  
JACKSON, WY 83001

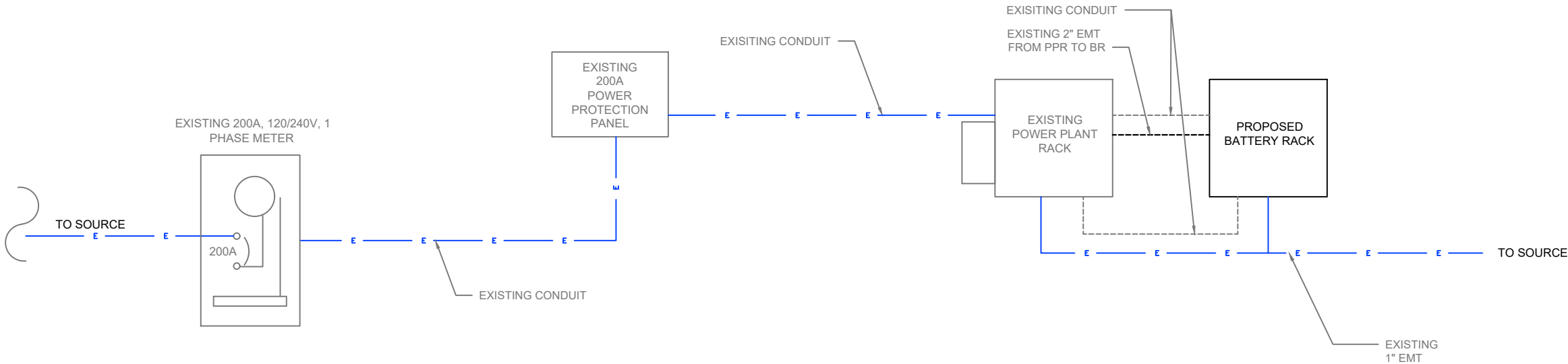
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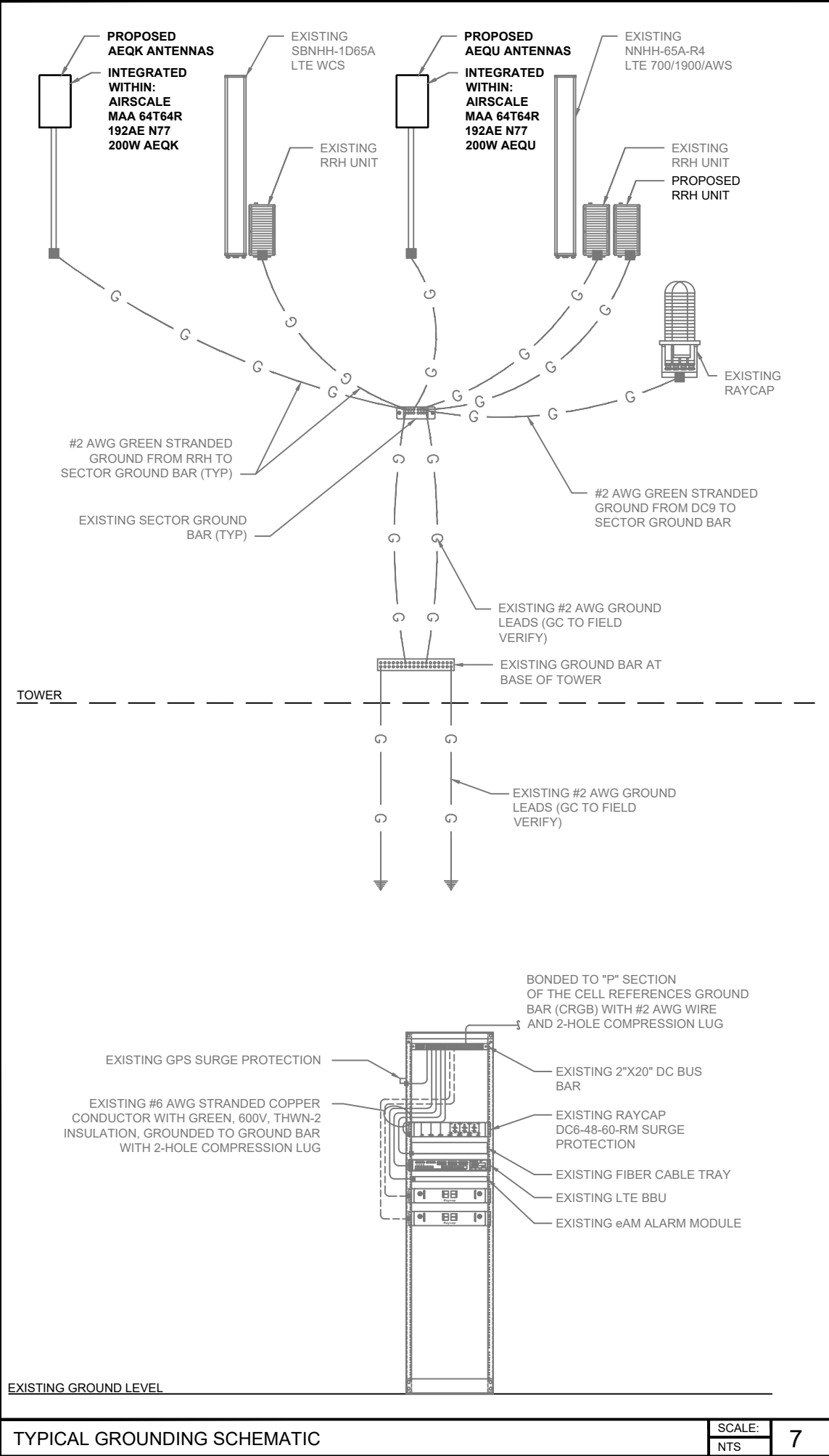
ELECTRICAL DIAGRAM

SHEET NUMBER:

E-1

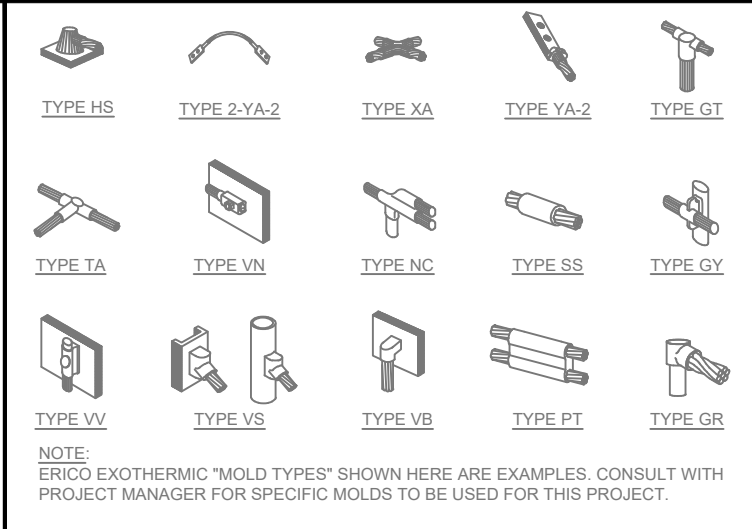
- CONDUCTOR NOTES:
1. ALL CONDUCTOR SHALL BE COPPER.
  2. ALL WIRING SHALL BE COPPER WITH THHN/THWN DUAL RATED 600 VOLTS INSULATION.
  3. CONDUCTORS SHALL BE 12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE.
  4. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER UNLESS OTHERWISE NOTED.





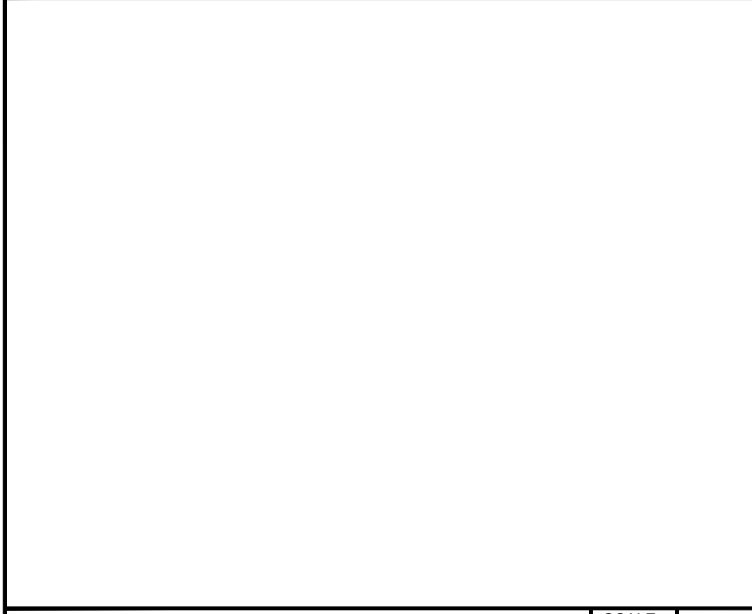
TYPICAL GROUNDING SCHEMATIC

SCALE: NTS 7



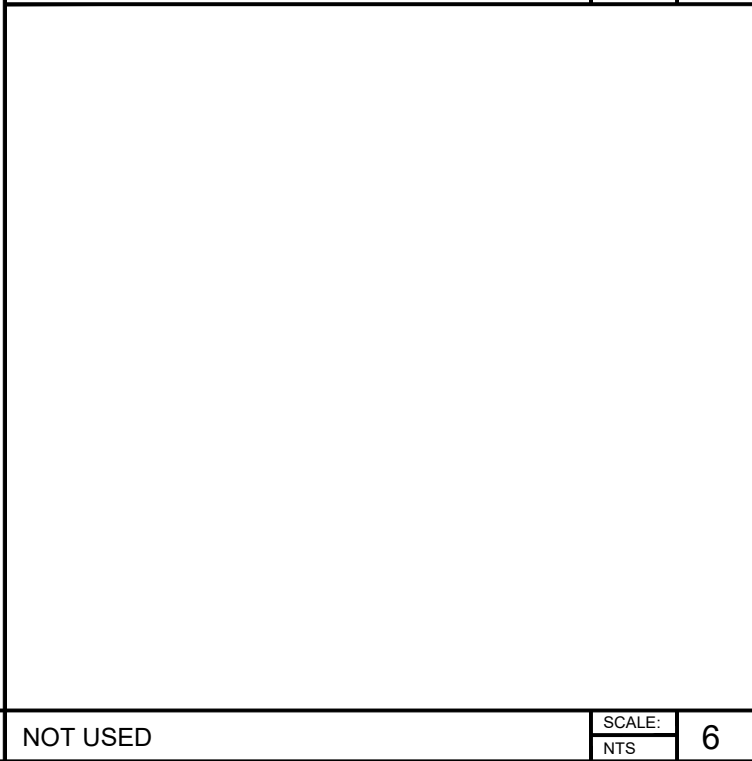
EXOTHERMIC WELDING

SCALE: NTS 4



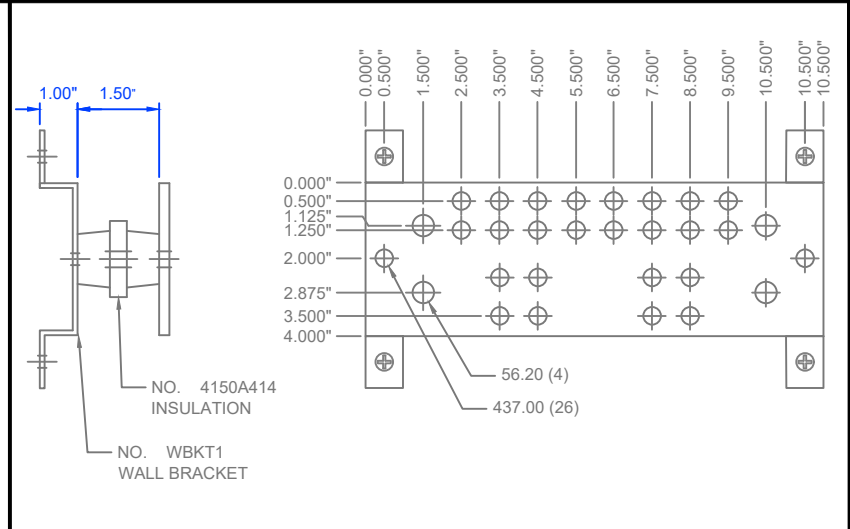
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SCALE: NTS 5



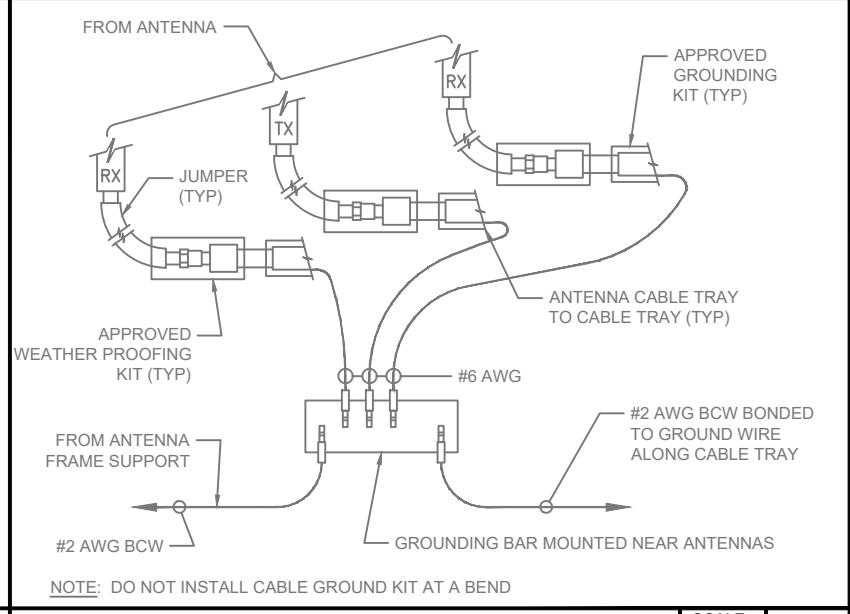
NOT USED

SCALE: NTS 6



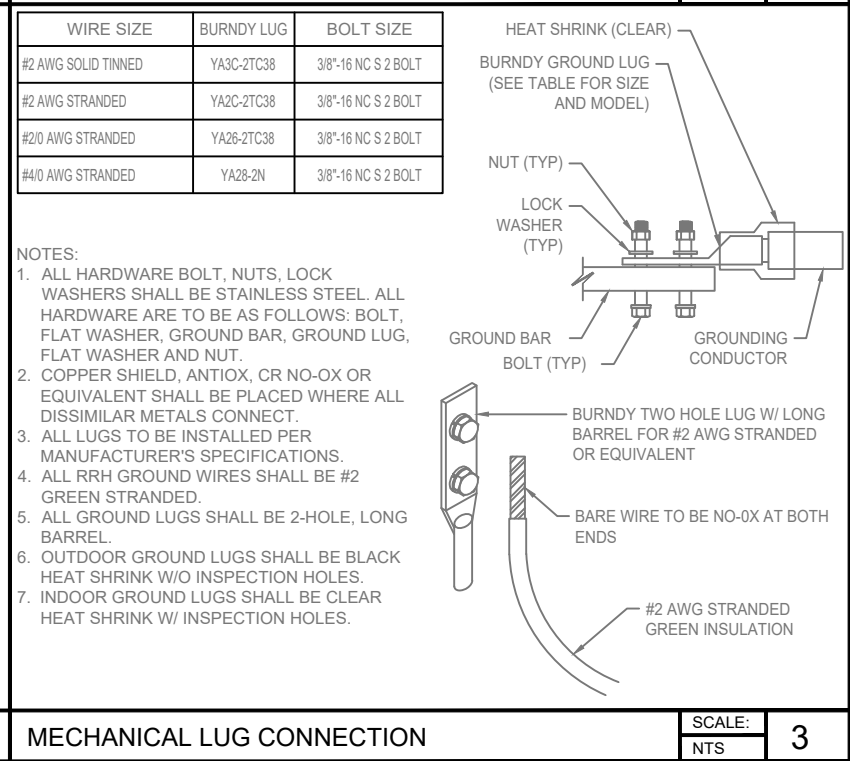
12" & 18" GROUND BARS

SCALE: NTS 1



COAX GROUNDING DETAIL

SCALE: NTS 2



MECHANICAL LUG CONNECTION

SCALE: NTS 3

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**160 S MILLWARD STREET**  
**JACKSON, WY 83001**

SHEET TITLE:  
**GROUNDING DETAILS**

SHEET NUMBER:  
**G-1**