



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: October 7, 2020	REQUESTS: The applicant is submitting a request for a Basic Use Permit to add a new antenna for the property located at 308 W. Snow King Avenue, legally known as PT. SE1/4NE1/4, SEC. 33, TWP. 41, RNG. 116 (RODEO GROUNDS INCLUDES MATEOSKY PARK). For questions, please call Tyler Valentine at 733-0440, x1305 or email to the address shown below. Thank you.
Item #: P20-189	
Planner: Tyler Valentine Phone: 733-0440 ext. 1305 Email: tvalentine@jacksonwy.gov	
Owner Town of Jackson PO Box 1687 Jackson, WY 83001	
Applicant: Cameron Colgan 408 Eagle Rd Suite 200 Eagle, ID 83616	
Please respond by: October 21, 2020 (Sufficiency) October 28, 2020 (with Comments)	

RESPONSE: For Departments not using Trak-it, please send responses via email to:
tstolte@jacksonwy.gov



PLANNING PERMIT APPLICATION
Planning & Building Department

150 E Pearl Ave. | ph: (307) 733-0440
P.O. Box 1687 | 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: _____
Physical Address: _____
Lot, Subdivision: _____ PIDN: _____

PROPERTY OWNER.

Name: _____ Phone: _____
Mailing Address: _____ ZIP: _____
E-mail: _____

APPLICANT/AGENT.

Name: _____ Phone: _____
Mailing Address: _____ ZIP: _____
E-mail: _____

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

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 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 and select the relevant application type for submittal requirements.

Have you attached the following?

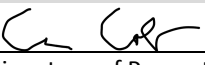
_____ **Application Fee.** Fees are cumulative. Go to www.townofjackson.com/200/Planning and select the relevant application type for the fees.

_____ **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 www.townofjackson.com/DocumentCenter/View/102/Town-Fee-Schedule-PDF.

_____ **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 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.



Signature of Property Owner or Authorized Applicant/Agent

Date

Name Printed

Title



Powder River Development Services, LLC
408 S. Eagle Rd. Suite 200
Eagle, ID 83616
(208) 938-8844 office
(208) 938-8855 fax
www.powderriverdev.com

October 5, 2020

Town of Jackson
Planning & Building Department

Basic Use Permit Application
Response to Submittal Requirements

Subject: Site No: **SL02319A Teton County Rodeo Grounds**
 Site Address: **305 W. Snow King Ave.**
 Jackson, WY 83001
 Parcel # **22-41-16-33-1-00-024**

Powder River Development Services is representing T-Mobile regarding the network modification project on an existing wireless communication tower in Teton County, referenced above. This modification project is to install new 5G technology to serve the area.

The scope of work for this project consists of the following: On existing light-pole cell tower, remove six (6) antennas and three (3) RRUs. Install six (6) new antennas, nine (9) new RRUs and three (3) new diplexers with cabling. There will be no increase to the existing tower height and there will be no expansion to the existing compound square footage. The modification will also not alter the slimline aspect of this tower. An environmental analysis will not be necessary as this is a modification to an already existing cell tower. No setbacks are being changed from the previous approval

Included with this submittal:

- Construction drawings
- Letter of Authorization from Owner

Please review the proposed project and let me know if any additional documentation is required. Once all applicable departments have reviewed and approved, please email approval to proceed to the Building Permit process to Cameron.colgan@powderriverdev.com. Also, please let me know if any additional fees are required.

If you have any questions or need more information, please let me know.

Respectfully,

Cameron Colgan
Site Acquisition Agent
Powder River Development Services, LLC
408 S. Eagle Rd. Suite 200
Eagle, ID 83616
832-679-7643
Cameron.colgan@powderriverdev.com

LETTER OF AUTHORIZATION

Diamond Towers IV LLC

, "Owner" whose address is: _____

820 Morris Turnpike, Suite 104, Short Hills, NJ 07078

(NAME OF ALL INDIVIDUALS OR ENTITY OWNING THE PROPERTY)

Diamond Towers IV LLC

, as the owner of property

more specifically legally described as: telecommunications tower located at 305 W. Snow King

Ave., City of Jackson, Teton County, Wyoming

(If too lengthy, attach description)

HEREBY AUTHORIZES Powder River Development Services on the behalf of T-Mobile as agent to represent and act for Owner in making application for and receiving and accepting on Owners behalf, any permits or other action by the Town of Jackson, or the Town of Jackson Planning, Building, Engineering and/or Environmental Health Departments relating to the modification, development, planning or replatting, improvement, use or occupancy of land in the Town of Jackson. Owner agrees that Owner is or shall be deemed conclusively to be fully aware of and to have authorized and/or made any and all representations or promises contained in said application or any Owner information in support thereof, and shall be deemed to be aware of and to have authorized any subsequent revisions, corrections or modifications to such materials. Owner acknowledges and agrees that Owner shall be bound and shall abide by the written terms or conditions of issuance of any such named representative, whether actually delivered to Owner or not. Owner agrees that no modification, development, platting or replatting, improvement, occupancy or use of any structure or land involved in the application shall take place until approved by the appropriate official of the Town of Jackson, in accordance with applicable codes and regulations. Owner agrees to pay any fines and be liable for any other penalties arising out of the failure to comply with the terms of any permit or arising out of any violation of the applicable laws, codes or regulations applicable to the action sought to be permitted by the application authorized herein.

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.

OWNER:

(SIGNATURE) (SIGNATURE OF CO-OWNER)

Title: SUP of Tower Operations

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

STATE OF WI)

COUNTY OF DODGE)SS.

The foregoing instrument was acknowledged before me by Jesse Leitzke this 18 day of September, 2020

WITNESS my hand and official seal.

Peggy A. Hoepfner (Seal)

(Notary Public)

My commission expires: 12.5.2023



SITE NUMBER:

SL02319A



TETON COUNTY RODEO GROUNDS

APPROVAL SIGNATURE BLOCK

THE FOLLOWING PARTIES HAVE REVIEWED THESE DOCUMENTS.
ALL DOCUMENTS ARE SUBJECT TO REVISION BY THE LOCAL ZONING BUILDING DEPARTMENTS AND MAY IMPOSE CHANGES OR MODIFICATIONS.

<div>PROJECT MANAGER (PRINT)</div> <div></div>	<div>PROJECT MANAGER</div> <div></div>	<div><input type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED</div>	<div></div> <div>DATE</div>
<div>RF ENGINEER (PRINT)</div> <div></div>	<div>RF ENGINEER</div> <div></div>	<div><input type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED</div>	<div></div> <div>DATE</div>
<div>SITE ACQUISITION (PRINT)</div> <div></div>	<div>SITE ACQUISITION</div> <div></div>	<div><input type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED</div>	<div></div> <div>DATE</div>
<div>T-MOBILE QUALITY ASSURANCE (PRINT)</div> <div></div>	<div>T-MOBILE QUALITY ASSURANCE</div> <div></div>	<div><input type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED</div>	<div></div> <div>DATE</div>

NO	DATE	DESCRIPTION
A	10/01/20	PRELIM CDS



SITE NUMBER:
SL02319A

SITE NAME:
TETON COUNTY RODEO GROUNDS

LOCATION:
305 WEST SNOW KING AVE., JACKSON, WY 83001
TENTON COUNTY
PARCEL #: 22-41-16-33-1-00-024
43.47316112°, -110.76821112°
80' LIGHT POLE



BUSINESS LICENSE #: N/A

REVISIONS			
REV	DATE	DESCRIPTION	INT
A	10/01/20	ISSUED FOR REVIEW 90%	JAS

REVIEWED BY: MAM

**PRELIMINARY
NOT FOR
CONSTRUCTION**

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF POWDER RIVER DEVELOPMENT SERVICES, LLC WHETHER THE PROJECTS FOR WHICH THEY ARE MADE ARE EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER.

SITE INFORMATION:

SITE #:
SL02319A

SITE NAME:
TETON COUNTY RODEO GROUNDS

305 WEST SNOW KING AVE.
JACKSON, WY 83001
TENTON COUNTY

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

SITE INFORMATION

STRUCTURE OWNER: DIAMOND COMMUNICATIONS, LLC
820 MORRIS TUNPIKE,
STE 104
SHORT HILLS, NJ 07078

SITE ADDRESS: 305 WEST SNOW KING AVE.
JACKSON, WY 83001

COUNTY: TENTON COUNTY

LATITUDE: 43.47316112°
LONGITUDE: -110.76821112°
GROUND ELEVATION: 6218' AMSL

OCCUPANCY TYPE: UNMANNED
ZONING JURISDICTION: TOWN OF JACKSON
ZONING DESIGNATION: P/SP
PARCEL NUMBER: 22-41-16-33-1-00-024

CONTACT INFORMATION

A&E SERVICES:
POWDER RIVER DEVELOPMENT SERVICES, LLC.
408 S. EAGLE ROAD, SUITE 200
EAGLE, ID 83616
CONTACT: MIKE TYCER
PHONE: 801.347.1003
EMAIL: mike.tycer@powderriverdev.com

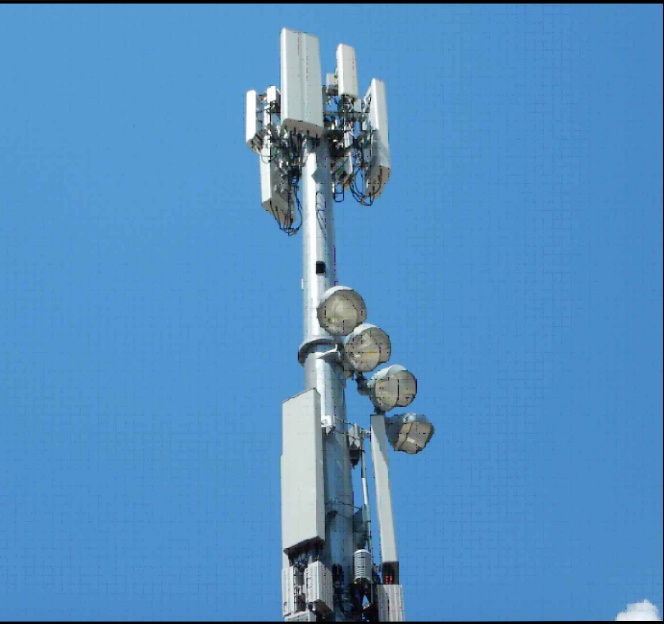
SITE ACQUISITION:
POWDER RIVER DEVELOPMENT SERVICES, LLC.
408 S. EAGLE ROAD, SUITE 200
EAGLE, ID 83616
CONTACT: MARY MARSHALL
PHONE: 208.229.8710
EMAIL: mary.marshall@powderriverdev.com

APPLICANT:
T-MOBILE
CONTACT: LANE FISHBURN
REAL ESTATE MANAGER
PHONE: 801.685.5817
MOBILE: 801.807.9071
EMAIL: lane.fishburn@t-mobile.com

VICINITY MAP



SITE PHOTO



DRIVING DIRECTIONS

DIRECTIONS FROM NEAREST INTERNATIONAL AIRPORT:

DEPART AIRPORT HEAD south on E Airport Rd toward E Airport Rd, At roundabout, take 2nd exit, Turn right onto US-26 / US-191 / US-89 / US-189, At roundabout, take 2nd exit, Keep straight onto S Cache St, Turn right onto W Snow King Ave, Arrive at W Snow King Ave, The last intersection is S Millward St, 305 W Snow King Ave, Jackson, WY 83001

APPLICABLE CODES

BUILDING CODE 2018 IBC
ELECTRICAL CODE 2017 NEC

DRAWING INDEX

SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
GN-1	GENERAL NOTES
A-1	SITE PLAN
A-1.1	EXISTING ENLARGED EQUIPMENT PLAN
A-1.2	PROPOSED ENLARGED EQUIPMENT PLAN
A-2	ELEVATIONS
A-3	ANTENNA PLANS & SCHEDULE
A-4	EQUIPMENT DETAILS
A-4.1	EQUIPMENT DETAILS
A-5	RFDS INFORMATION
G-1	GROUNDING PLANS
G-2	GROUNDING DETAILS

SCOPE OF WORK

REMOVE:

- (3) AIR21 KRC118023-1_B2A_B4P FROM TOWER
- (3) FF-65C-R1 FROM TOWER
- (3) RRU 4478 B71 FROM TOWER

INSTALL:

- (3) APXVAA4L24_43-U-NA20 ON TOWER
- (3) AIR6449 B41 ON TOWER
- (3) RRU 4415 B66A ON TOWER
- (3) RRU 4424 B25 ON TOWER
- (3) RRU 4449 B71+B85 ON TOWER
- (3) SDX192 6Q-43 DIPLEXERS ON TOWER
- (2) 6X12 HCS 6AWG ON TOWER
- (1) 19" RACK IN EQUIPMENT ROOM
- (1) BB 6630 IN NEW 19" RACK
- (1) BB 6648 IN NEW 19" RACK
- (1) PSU 4813 IN NEW 19" RACK

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

- 1.GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE ENGINEER.
- 2.WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST EDITION OF THE BUILDING CODE AND ALL OTHER LOCAL, STATE AND FEDERAL REGULATIONS.
- 3.OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
- 4.ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE ENGINEER SO THAT THE PROPER REVISION MAY BE MADE. MODIFICATIONS OF CONSTRUCTION DETAILS SHALL NOT BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
- 5.THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING BUT NOT LIMITED TO BRACING, TEMPORARY SUPPORTS AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ENGINEER, WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONTRACTORS PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. NEITHER THE OWNER NOR ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- 6.SAFETY: CONFORM TO ALL APPLICABLE OSHA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ENGINEER OR OWNER.
- 7.ANY PROPRIETARY COMPONENTS, MOUNTS, MATERIALS, CHEMICAL, EPOXY AND WEDGE ANCHORS, AND SHOT PINS SHALL BE EXACTLY AS CALLED FOR IN THESE DRAWINGS. ANY DEVIATIONS SHALL BE APPROVED OR DISAPPROVED BY THE ENGINEER AT THE EXPENSE OF THE ENTITY REQUESTING THE SUBSTITUTION PRIOR TO THE INSTALLATION.
- 8.THE CONTRACTOR’S SCOPE OF WORK SHALL INCLUDE ALL ITEMS DEFINED IN THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: THE CONTRACT, SPECIFICATIONS AND CONSTRUCTION DRAWINGS.
- 9.THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR COORDINATION AND ASSEMBLY OF ALL PARTS OF THE CONSTRUCTION DEPICTED HEREIN. THE CONTRACTOR SHALL PERFORM ANY CONSTRUCTABILITY REVIEW OR COORDINATION DRAWINGS NECESSARY TO IDENTIFY CONSTRUCTABILITY PROBLEMS PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR SHALL VISIT THE JOB SITE TO REVIEW THE SCOPE OF WORK AND EXISTING JOB SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL SERVICE AND OVERALL COORDINATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING HIS BID. ANY DISCREPANCIES, CONFLICTS OR OMISSIONS, ETC., SHALL BE REPORTED TO THE CARRIER CONSTRUCTION SUPERVISOR BEFORE PROCEEDING WITH THE WORK.
11. THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW AND EXISTING STRUCTURES, LANDSCAPING OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE TENANT, BUILDING OWNER OR OWNER’S REPRESENTATIVE AT THE EXPENSE OF THE CONTRACTOR.
12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED.
14. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER, POWER AND TOILET FACILITIES AS REQUIRED BY THE GOVERNING AGENCY.
15. THE CONTRACTOR AND ALL SUBORDINATE CONTRACTORS SHALL COMPLY WITH ALL LOCAL AND STATE AND FEDERAL REGULATIONS.
16. THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK AND INCLUDE THOSE IN THE COST OF THE WORK TO CARRIER.
17. CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO NOT FABRICATE ANY MATERIALS OFF SITE, NOR PERFORM ANY CONSTRUCTION ACTIVITIES UNTIL THE ACCURACY OF DRAWING DIMENSIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS. IN ALL CASES WHERE A CONFLICT MAY OCCUR, SUCH AS BETWEEN ITEMS COVERED IN SPECIFICATIONS AND NOTES ON THE DRAWINGS OR BETWEEN GENERAL NOTES AND SPECIFIC PLANS OR DETAILS, THE ENGINEER SHALL BE NOTIFIED, AND HE/SHE WILL INTERPRET THE INTENT OF THE CONTRACT DOCUMENTS PRIOR TO THE INSTALLATION OF THAT PORTION OF WORK.
18. THE CONTRACTOR SHALL NOTIFY THE CARRIER CONSTRUCTION SUPERVISOR OF ANY CONFLICTS OR DISCREPANCIES IN THE CONTRACT DOCUMENTS OR FIELD CONDITIONS PRIOR TO EXECUTING THE WORK IN QUESTION.
19. THE CONTRACTOR SHALL NOTIFY THE CARRIER CONSTRUCTION SUPERVISOR IF DETAILS ARE CONSIDERED UNSOUND, UNSAFE, NOT WATERPROOF, OR NOT WITHIN CUSTOMARY TRADE PRACTICE. IF WORK IS PERFORMED, IT WILL BE ASSUMED THAT THERE IS NO OBJECTION TO THE DETAIL. DETAILS ARE INTENDED TO SHOW THE END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB

- CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK.
20. EXISTING ELEVATIONS AND LOCATIONS TO BE JOINED SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. IF THEY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE CARRIER CONSTRUCTION SUPERVISOR SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.
 21. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING, THE ENGINEER SHALL BE CONTACTED FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
 22. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORT NOT OTHERWISE SHOWN HEREIN. ALL SUSPENDED MECHANICAL EQUIPMENT TO BE SWAY OR Laterally BRACED.
 23. GOVERNING AGENCY–APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT SAME INFORMATION. AT ALL TIMES THESE ARE TO BE UNDER THE CARE OF THE JOB SUPERINTENDENT.
 24. DESIGN DRAWINGS ARE DIAGRAMMATIC ONLY AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION CONDITIONS WILL PERMIT. ANY ERROR, OMISSION, OR DESIGN DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE CARRIER CONSTRUCTION SUPERVISOR FOR CLARIFICATION OR CORRECTION BEFORE CONSTRUCTION.
 25. AS–BUILT REQUIREMENTS: DO NOT USE RECORD DOCUMENTS FOR CONSTRUCTION PURPOSES. PROTECT RECORD DOCUMENTS FROM DETERIORATION AND LOSS IN A SECURE, FIRE–RESISTANT LOCATION. PROVIDE ACCESS TO RECORD DOCUMENTS FOR THE CARRIER CONSTRUCTION SUPERVISOR’S REFERENCE DURING NORMAL WORKING HOURS. MAINTAIN A CLEAN, UNDAMAGED SET OF BLUE OR BLACK LINE PRINTS OF CONTRACT DRAWINGS AND SHOP DRAWINGS. MARK THE SET TO SHOW THE ACTUAL INSTALLATION WHERE THE INSTALLATION VARIES SUBSTANTIALLY FROM THE WORK AS ORIGINALLY SHOWN. MARK WHICH DRAWINGS ARE MOST CAPABLE OF SHOWING CONDITIONS FULLY AND ACCURATELY. WHERE SHOP DRAWINGS ARE USED, RECORD A CROSS–REFERENCE AT THE CORRESPONDING LOCATION ON THE CONTRACT DRAWINGS. GIVE ATTENTION TO CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO MEASURE AND RECORD AT A LATER DATE. MARK RECORD SETS WITH RED ERASABLE PENCIL. USE OTHER COLORS TO DISTINGUISH BETWEEN VARIATIONS IN SEPARATE CATEGORIES OF THE WORK. MARK NEW INFORMATION THAT IS IMPORTANT TO THE OWNER BUT WAS NOT SHOWN ON THE CONTRACT DRAWINGS, DETAILS OR SHOP DRAWINGS. NOTE RELATED CHANGE ORDER NUMBERS WHERE APPLICABLE. NOTE RELATED RECORD DRAWING INFORMATION AND PRODUCT DATA. UPON COMPLETION OF THE WORK, SUBMIT ONE (1) COMPLETE SET OF RECORD DOCUMENTS TO THE CARRIER CONSTRUCTION SUPERVISOR FOR THE OWNER’S RECORDS.
 26. A CLOSEOUT BOOK CONTAINING THE FOLLOWING, SHALL BE PROVIDED BY THE CONTRACTOR, AS APPLICABLE:
 - A.AS BUILT DESIGN DRAWINGS
 - B.SWEEP TEST RESULTS
 - C.RESISTIVELY TEST
 - D.PHOTO DOCUMENTATION OF:
 - I. UNDERGROUND CONDUITS AND GROUND RING
 - II. ANTENNA, COAX, JUMPER ATTACHMENTS AND GROUND KIT ATTACHMENTS
 - III. ANTENNA DOWN TILT MEASUREMENT USING AN INCLINOMETER ON THE BACK PLANE OF THE ANTENNA
 - IV. GROUND BAR ATTACHMENTS
 - E.SIGNED OFF PERMIT CARDS
 - F.CERTIFICATE OF OCCUPANCY
 - G.RETURN OF KEYS AND/OR ACCESS AUTHORIZATION
 - H.ORIGINAL BUILDING PERMIT

SITE WORK NOTES

- 1.SCOPE: CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUB GRADE PREPARATION, FINISH GRADING AND SECURITY FENCE, AS REQUIRED BY CONSTRUCTION DRAWINGS AND DETAIL DRAWINGS.
- 2.REFERENCES:
 - A.DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR THE STATE IN WHICH THE PROJECT IS LOCATED.
 - B.ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
 - C.OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)
 - D.AASHTO (AMERICAN ASSOCIATION OF STATE TRANSPORTATION OFFICIALS)
- 3.INSPECTION AND TESTING:
 - A.FIELD TESTING OF EARTHWORK, AGGREGATE BASE COURSE, COMPACTION AND CONCRETE TESTING SHALL BE PERFORMED BY THE CONTRACTOR’S INDEPENDENT TESTING LAB.
 - B.ALL WORK SHALL BE INSPECTED AND RELEASED BY THE CARRIER CONSTRUCTION SUPERVISOR WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE WORK AS SPECIFIED AND/OR CALLED FOR ON THE DRAWINGS. IT IS THE CONTRACTOR’S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF THE WORK INACCESSIBLE OR DIFFICULT TO INSPECT.
- 4.SITE MAINTENANCE AND PROTECTION:
 - A.PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF THE WORK UNTIL COMPLETION OF THE CONTRACT.
 - B.CONTACT THE ONE–CALL UTILITY LOCATION SERVICE PRIOR TO ANY EXCAVATING ACTIVITIES TO HAVE LOCATIONS OF UNDERGROUND UTILITIES VERIFIED.
 - C.AVOID DAMAGE TO THE SITE INCLUDING EXISTING FACILITIES, STRUCTURES, TREES AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING ITEMS THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
 - D.KEEP SITE FREE OF ALL PONDING WATER.
 - E.CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, CITY, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT

- ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS AND CHECK DAMS.
- F.PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT LIFE AND PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
- 5.BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE WELL DRAINED AT ALL TIMES.
 - 6.ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.
 - 7.PERFORM ALL SURVEY, LAYOUT, STAKING AND MARKING TO ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
 - 8.CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE AND ONLY THE IMMEDIATE SURROUNDINGS NECESSARY TO COMPLETE THE WORK. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED AND GRUBBED.
 - 9.REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING IS NOT PERMITTED.
 10. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS, AND ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, CULVERT, STREAM CROSSING OR OTHER ITEM NOT SHOWN THAT MIGHT AFFECT OR INTERFERE WITH THE NEW CONSTRUCTION. NOTIFY THE CARRIER CONSTRUCTION SUPERVISOR OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
 11. SEPARATE AND STOCKPILE ALL EXCAVATED MATERIALS SUITABLE FOR BACK FILL. ALL EXCESS EXCAVATED, AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF IN AN AREA DESIGNATED BY THE CARRIER CONSTRUCTION SUPERVISOR. (UNSUITABLE MATERIAL MAY BE REQUIRED TO BE REMOVED FROM THE SITE.)

STUCTURAL NOTES:

- 1.POWDER RIVER DEVELOPMENT SERVICES, LLC HAS NOT PERFORMED STRUCTURAL ANALYSIS FOR THE NEW EQUIPMENT MOUNTS, NOR THE SUPPORTING STRUCTURE AND ASSUMES NO RESPONSIBILITY FOR ITS ABILITY TO SUPPORT THE PROPOSED MODIFICATIONS, UNLESS OTHERWISE EXPLICITLY NOTED WITHIN THESE DRAWINGS. PRIOR TO CONSTRUCTION, STRUCTURAL ANALYSIS (BY OTHERS) SHALL BE PERFORMED FOR ALL TOWERS, ROOFTOPS, FLAG POLES, LIGHT POLES AND ASSOCIATED EQUIPMENT MOUNTS.
- 2.ALL EQUIPMENT AND COMPONENTS SHALL BE ANCHORED IN ACCORDANCE WITH ALL CURRENT BUILDING CODE REQUIREMENTS, AS APPLICABLE. ANCHOR DESIGN AND SPECIFICATION IS NOT INCLUDED AS PART OF THIS SCOPE UNLESS OTHERWISE EXPLICITLY NOTED WITHIN THESE DRAWINGS, BUT SHALL BE PROVIDED (BY OTHERS) PRIOR TO CONSTRUCTION, FOR ALL EQUIPMENT, MECHANICAL AND ELECTRICAL COMPONENTS.

ELECTRICAL NOTES:

- 1.ELECTRICAL DESIGN SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL WORK COMPLIES WITH APPLICABLE LOCAL AND STATE CODES AND THE NATIONAL ELECTRICAL CODE.
- 2.ALL SUGGESTED ELECTRICAL ELEMENTS (SUCH AS BREAKER SIZES, WIRE SIZES, CONDUIT SIZES, ETC.) ARE INCLUDED FOR ZONING AND PLANNING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ALL REQUIRED ELECTRICAL DESIGNS.
- 3.CONTRACTOR SHALL FIELD–LOCATE ALL BELOW–GRADE GROUND LINES AND UTILITY LINES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE RELOCATION OF ALL UTILITY AND GROUND LINES THAT MAY BECOME DISTURBED OR CONFLICTING IN THE COURSE OF CONSTRUCTION.

DEFERRED SUBMITTALS:

- 1.AS A CONDITION OF APPROVAL, AND UNLESS NOTED OTHERWISE WITHIN THESE CONSTRUCTION DRAWINGS, THE DEFERRED SUBMTTAL ITEMS BELOW SHALL BE DESIGNED AND SUBMITTED TO POWDER RIVER DEVELOPMENT SERVICES, LLC FOR REVIEW PRIOR TO CONSTRUCTION.
- MOUNT STRUCTURAL ANALYSIS
 - TOWER AND FOUNDATION STRUCTURAL ANALYSIS
 - EQUIPMENT ANCHORAGE
 - ELECTRICAL POWER SUPPLY DESIGN



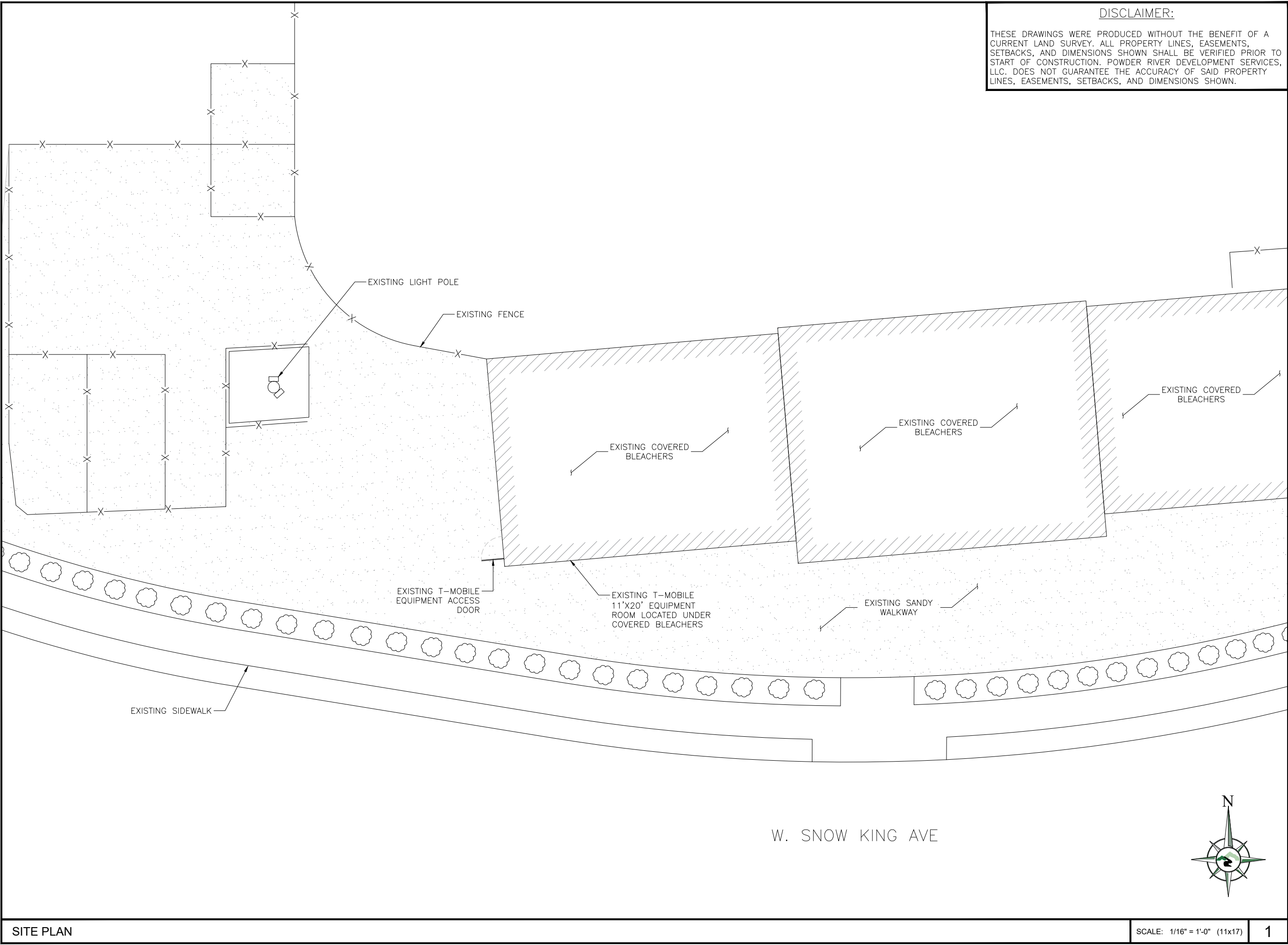
BUSINESS LICENSE #:				N/A
REVISIONS				
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SITE INFORMATION:	
SITE #: SL02319A	
SITE NAME: TETON COUNTY RODEO GROUNDS	
305 WEST SNOW KING AVE. JACKSON, WY 83001 TENTON COUNTY	
SHEET TITLE:	
GENERAL NOTES	
SHEET NUMBER:	
GN-1	

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DISCLAIMER:

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TETON COUNTY RODEO
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305 WEST SNOW KING AVE.
JACKSON, WY 83001
TENTON COUNTY

SHEET TITLE:

SITE PLAN

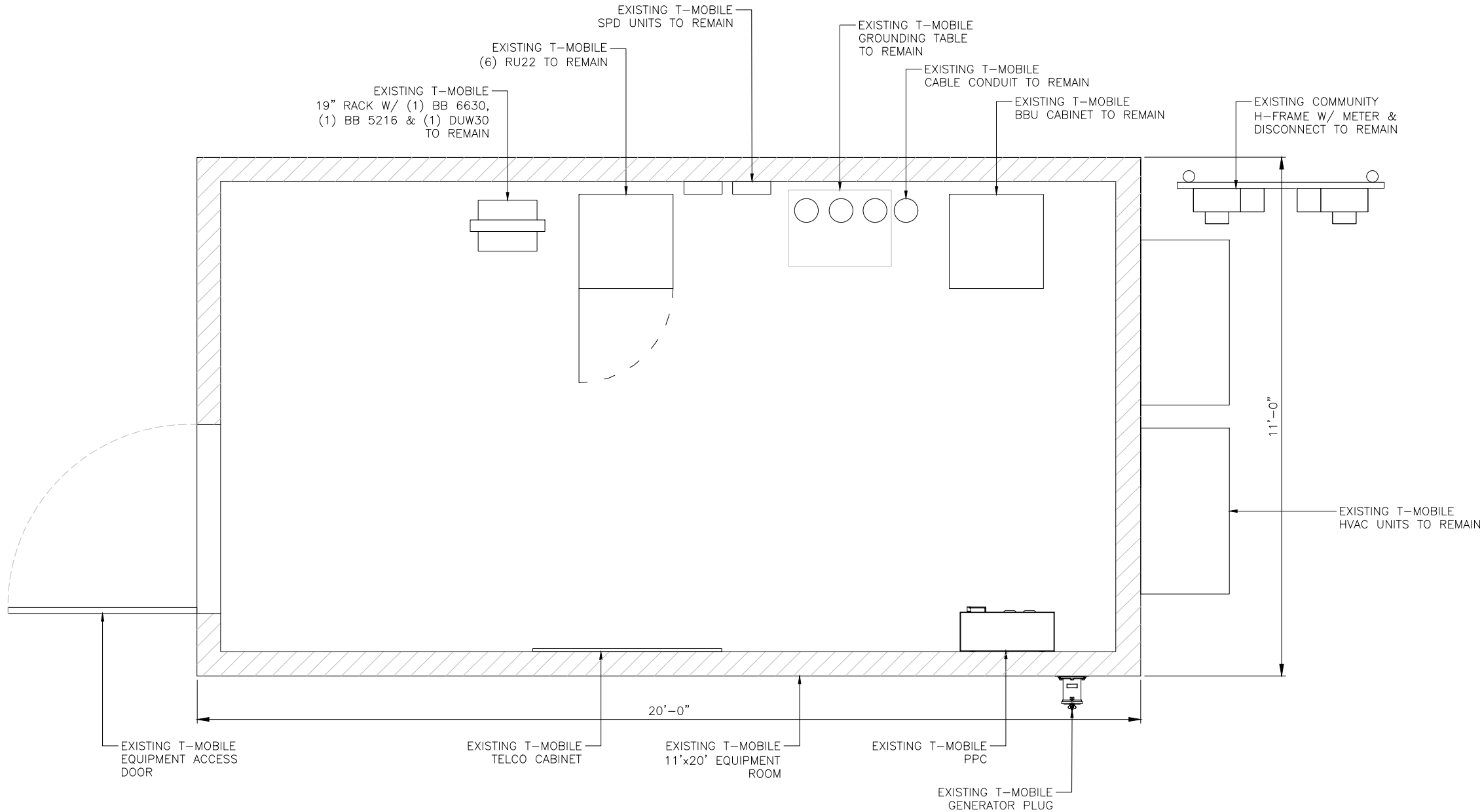
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SL02319A

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305 WEST SNOW KING AVE.
JACKSON, WY 83001
TENTON COUNTY

SHEET TITLE:
EXISTING ENLARGED
EQUIPMENT PLAN

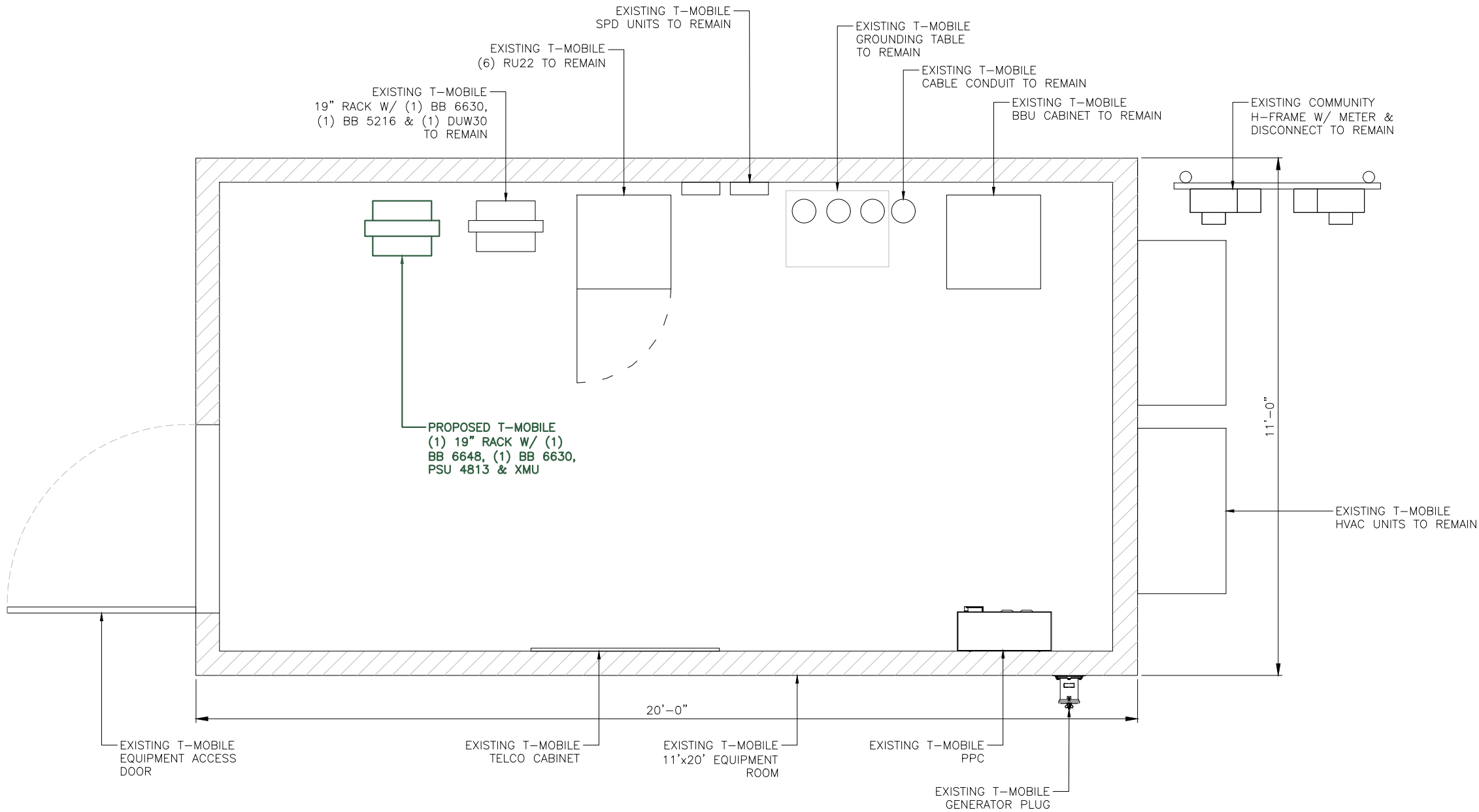
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SL02319A

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TETON COUNTY RODEO
GROUNDS

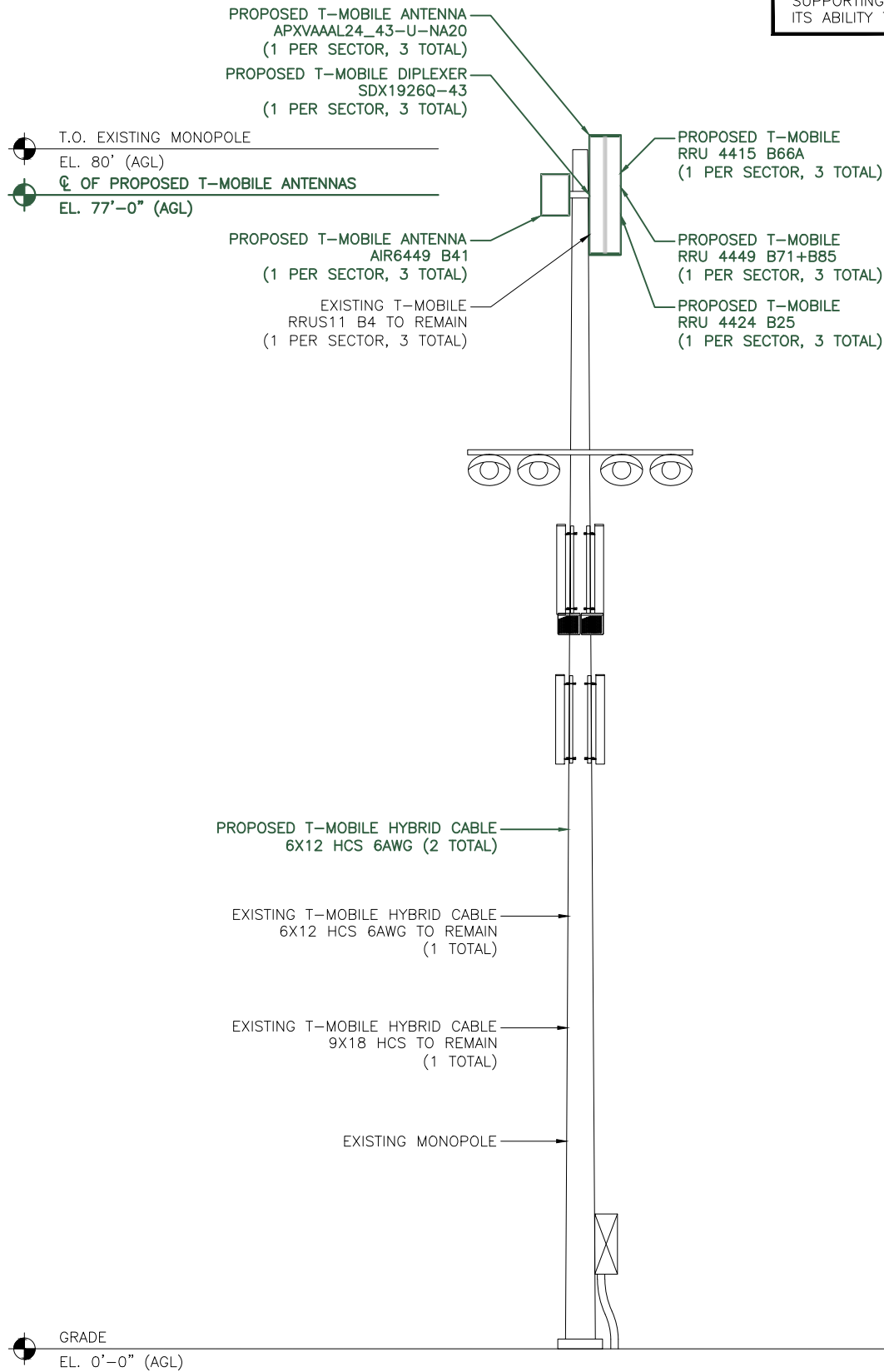
305 WEST SNOW KING AVE.
JACKSON, WY 83001
TENTON COUNTY

SHEET TITLE:
PROPOSED ENLARGED
EQUIPMENT PLAN

SHEET NUMBER:

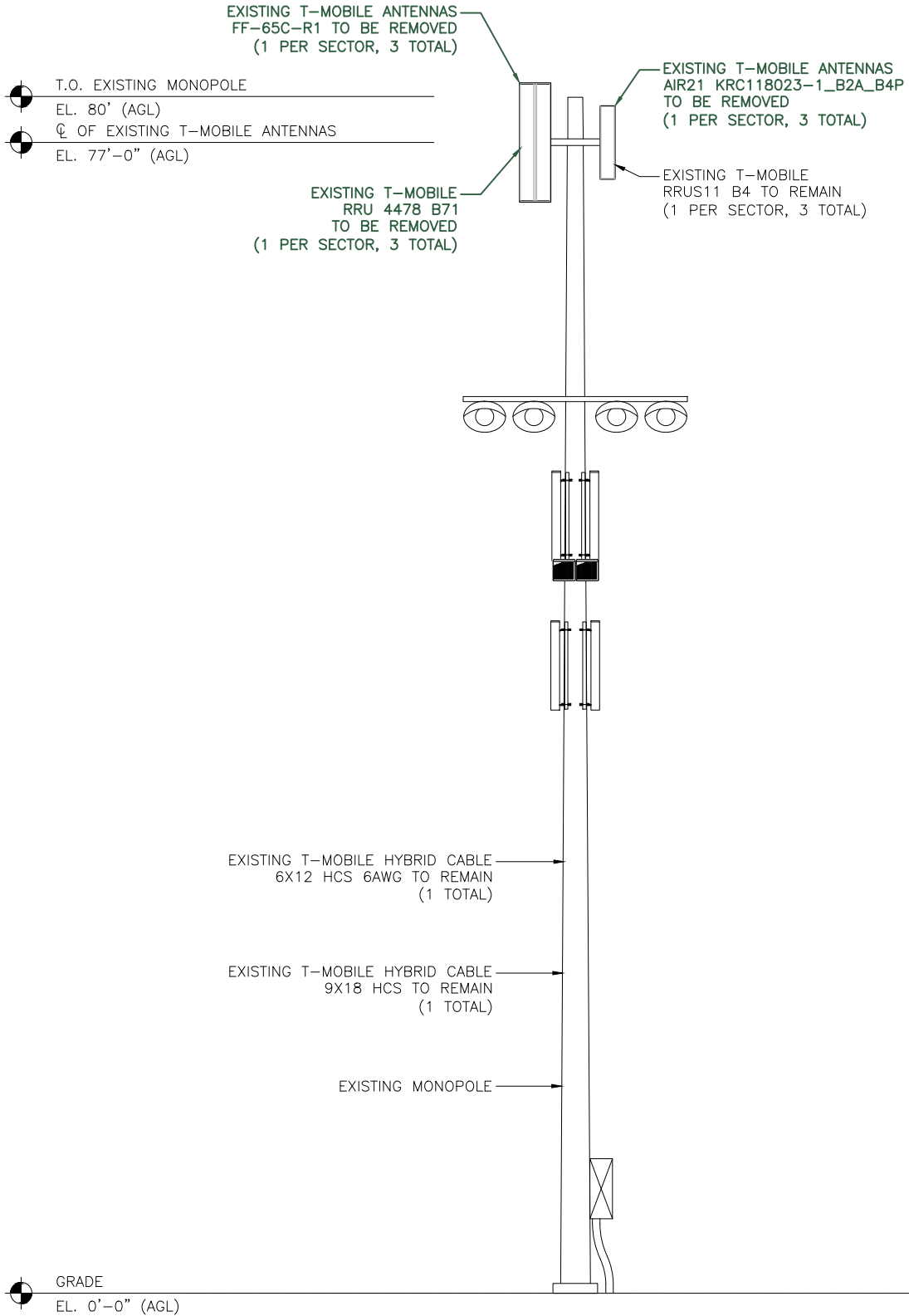
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GROUNDS

305 WEST SNOW KING AVE.
JACKSON, WY 83001
TENTON COUNTY

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-2

PROPOSED ELEVATION

SCALE: 3/32" = 1'-0" (11x17)

2

EXISTING ELEVATION

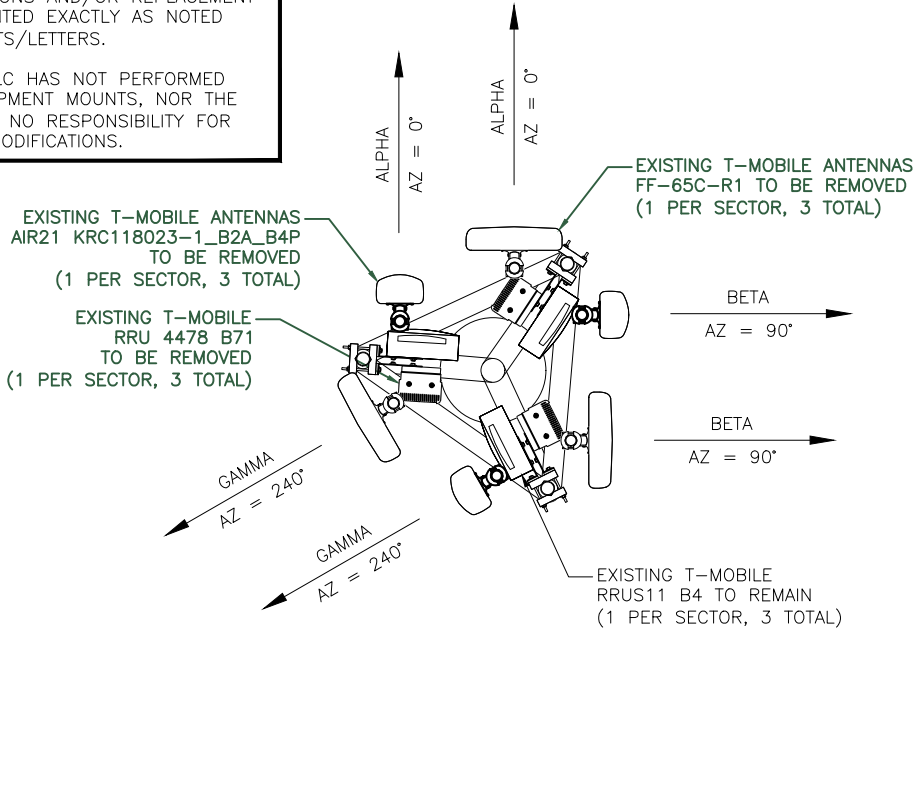
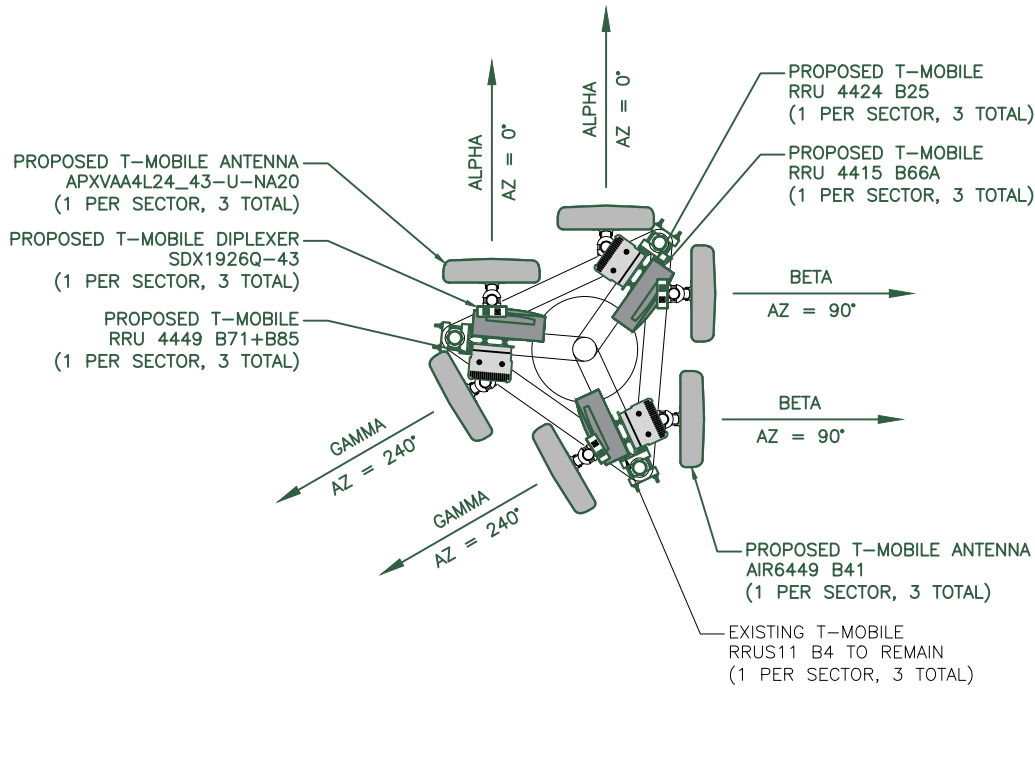
SCALE: 3/32" = 1'-0" (11x17)

1

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PROPOSED ANTENNA PLAN

SCALE: 1/4" = 1'-0" (11x17)

3

EXISTING ANTENNA PLAN

SCALE: 1/4" = 1'-0" (11x17)

2

FINAL ANTENNA, EQUIPMENT & COAX CONFIGURATION													
SECTOR	POSITION	QTY	ANTENNA MANUFACTURER	ANTENNA MODEL	COR	AZI	COAX	HYBRID	RRH (QTY) MODEL	JUNCTION BOX (OVP) (QTY) MODEL	DIPLEXER (TOWER) (QTY) MODEL	TMA (TOWER) (QTY) MODEL	STATUS NOTES
ALPHA	1	1	RFS	APXVAA4L24_43-U-NA20	77'	0°		(1) 9X18 HCS (130')	(1) RRUS11 B4 (1) 4449 B71+B85 (1) 4424 B25 (1) 4415 B66A		(1) SDX1926Q-43		L6/L7/N6/L19/U21/L21
	2	1	ERICSSON	AIR 6449 B41		0°							L25/N25
BETA	1	1	RFS	APXVAA4L24_43-U-NA20	77'	90°		(1) 6X12 6AWG HCS (130')	(1) RRUS11 B4 (1) 4449 B71+B85 (1) 4424 B25 (1) 4415 B66A		(1) SDX1926Q-43		L6/L7/N6/L19/U21/L21
	2	1	ERICSSON	AIR 6449 B41		90°							L25/N25
GAMMA	1	1	RFS	APXVAA4L24_43-U-NA20	77'	240°		(2) 6X12 6AWG HCS (130')	(1) RRUS11 B4 (1) 4449 B71+B85 (1) 4424 B25 (1) 4415 B66A		(1) SDX1926Q-43		L6/L7/N6/L19/U21/L21
	2	1	ERICSSON	AIR 6449 B41		240°							L25/N25

INSTALLATION NOTES:

- CONTRACTOR TO VERIFY ALL EQUIPMENT MODELS, LOCATIONS AND CONFIGURATIONS WITH CURRENT T-MOBILE SMR.
- CONTRACTOR TO FIELD VERIFY ALL CABLE LENGTHS PRIOR TO ORDERING MATERIALS.
- CONTRACTOR TO INSTALL ANTENNAS MAINTAINING MINIMUM REQUIRED SEPARATION DISTANCES FROM EXISTING APPURTENANCES AND TO AVOID INTERFERENCE WITH INTENDED PATH.
- CONTRACTOR TO FIELD VERIFY AZIMUTH, CENTERLINE HEIGHT AND MECHANICAL DOWNTILT. IF INCONSISTENCIES BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARISE, ENGINEER SHALL BE NOTIFIED.

ANTENNA SCHEDULE

1



BUSINESS LICENSE #: N/A

REVISIONS			
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GROUNDS

305 WEST SNOW KING AVE.
JACKSON, WY 83001
TENTON COUNTY

SHEET TITLE:
ANTENNA PLANS
& SCHEDULE

SHEET NUMBER:

A-3

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ANTENNA INFORMATION

SCALE: N.T.S.

6

PRODUCT DESCRIPTION

Frequency Range	LTE TDD B41: 2496 – 2690 MHz
Instantaneous BW	DL 194 MHz
Antenna Ports	64T64R
Technology	NR, LTE and NR+LTE MSMM
Antenna Elements	192
Output RF Power	300 W (=64 TRX x 4.6875W)
Data Ports	4 x 25Gb/s CPRI
5G NR Support	YES
DC Feed	-48V DC power connector
Cooling	Passive cooling (vs. active cooling on AIR32 DB)
Dimensions (H x W x D)	33.1" x 20.6" x 8.6" inches (=841 x 524 x 217 mm)
Weight	104 lbs (=47 kg)
Electrical downtilt	-3 to 11 degrees
Horizontal beamwidth	+/- 65 degrees
HW/SW Availability	July 2020
Material SAP #	34105 – AIR 6449 B41

ANTENNA INFORMATION

SCALE: N.T.S.

4

MANUFACTURER: RFS
MODEL: APXVAA4L24_43–U–NA20
WEIGHT: 58.0 LBS
DIMENSIONS: HxWxD: 95.9" x 24.0" x 8.7"
FREQUENCY: 617 – 746 MHz
 1695 – 2200 MHz
CONNECTION: (8) 4.3–10 FEMALE

ANTENNA INFORMATION

SCALE: N.T.S.

2

MANUFACTURER: ERICSSON
MODEL: RADIO 4424 B25
WEIGHT: 46 LBS (W/ FANS)
DIMENSIONS: HxWxD: 16.5" x 13.5" x 6.3"
FREQUENCY: 1930 – 1995 MHz (UPLINK)
 1850 – 1915 MHz (DOWNLINK)

RRU INFORMATION

SCALE: N.T.S.

5

MANUFACTURER: ERICSSON
MODEL: RADIO 4415 B66A (AWS)
WEIGHT: 47.4 LBS (W/ FANS)
DIMENSIONS: HxWxD: 16.5" x 13.5" x 6.3"
FREQUENCY: 1710 – 1780 MHz (UPLINK)
 2110 – 2180 MHz (DOWNLINK)

RRU INFORMATION

SCALE: N.T.S.

3

MANUFACTURER: ERICSSON
MODEL: RADIO 4449 B71+B85
WEIGHT: 46 LBS (W/ FANS)
DIMENSIONS: HxWxD: 16.5" x 13.4" x 5.9"
FREQUENCY: 1930 – 1995 MHz (UPLINK)
 1850 – 1915 MHz (DOWNLINK)

RRU INFORMATION

SCALE: N.T.S.

1



BUSINESS LICENSE #:				N/A
REVISIONS				
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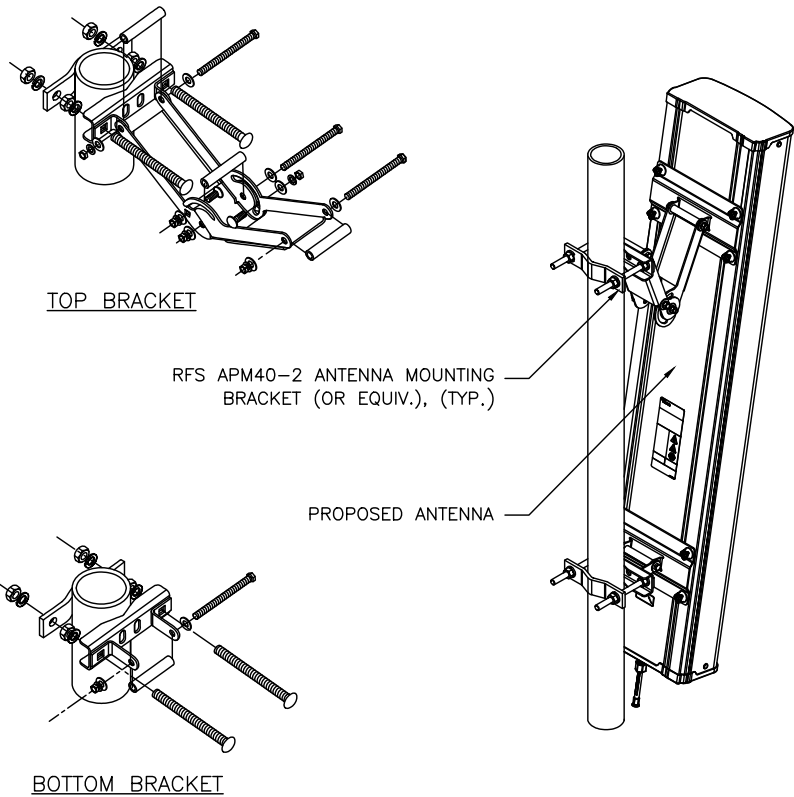
SHEET TITLE:

EQUIPMENT DETAILS

SHEET NUMBER:

A-4

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ANTENNA ATTACHMENT

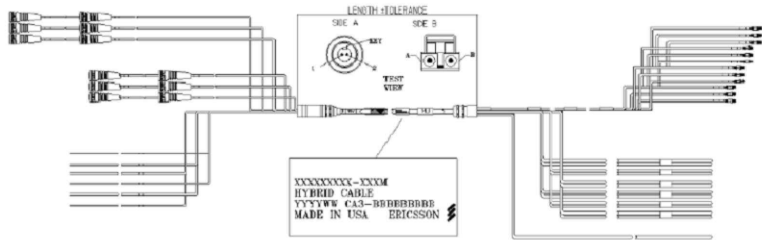
6

Ericsson Commercial In Confidence

HCS 6 X 12

ERICSSON HYBRID CABLE, 6 DC PAIRS + 12 OPTICAL PAIRS

UL APPROVED



6 x 12 Weight and diameter		
	6 AWG DC wires	4 AWG DC wires
Weight (kg/m)	2.5 (+/- 0.1)	3.6 (+/- 0.1)
Weight (lb/ft)	1.7 (+/- 0.1)	2.4 (+/- 0.1)
Diameter (mm)	35 (+/- 2.0 mm)	42 (+/- 2.0 mm)
Diameter (in)	1.38 (+/- 0.1")	1.66 (+/- 0.1")
Coax standard diameter equivalent	1 3/8"	1 5/8"

CABLE DETAIL

SCALE: N.T.S.

4

Figure 5 Baseband 6648 Hardware Architecture

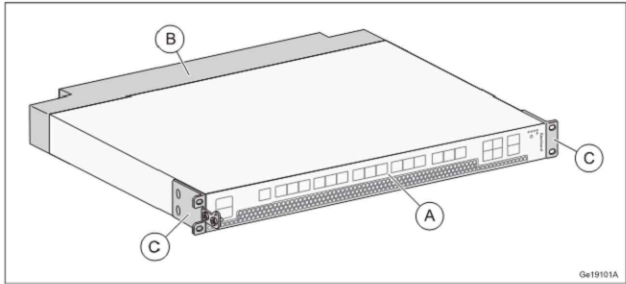


Table 6 19-Inch Baseband Hardware Units

Position	Name of Units	Number of Units
A	19-inch baseband unit	1
B	Fan module	1
C	Movable Brackets	2

Table 1 Dimensions and Weight

Baseband	Height	Width	Depth	Weight
Baseband 6648	1 U	19-inch	352 mm	≈ 7.5 kg
Baseband 6641	(44.45 mm)			

BB 6648 DETAIL

SCALE: N.T.S.

2

The general specifications for the PSU 48 13 are as follows:

Electrical Operating Limits	
Input Voltage	-38.0 – -58.5 VDC
Input Voltage, nominal	-48 VDC
Input Current, max	166 A; 30 A total for all four -48V inputs
Output Voltage, fixed	-58 VDC
Output Power, max.	2000 watts each
Environmental Operating Limits	
Temperature, operation	-40 – +60 °C
Temperature, storage	-40 – +55 °C
Temperature, transport	-40 – +70 °C
Humidity, operation and storage	5% – 95%
Altitude, operation and storage	0 – 4000 m
Cooling	Internal fans
Vibration	ETS300019-2
Shock	ETS300019-2
Drop	ETS300019-2
EMC	FCC Part 15
Safety	UL 62368-1
Noise	< 6.8 bel sound power
Lightning Protection	4 kA; 10/350 μs; 20 kA, 8/20 μs
Fuse Options	30 A, 40 A, 50 A
Mechanical Specification	
Weight	< 7.8 kg (17.2 lb)
Dimensions (H x W x D)	44 x 483 x 363 mm (1.7" x 19.0" x 14.3") (include brackets, cover)



PSU 4813 DETAIL

SCALE: N.T.S.

3

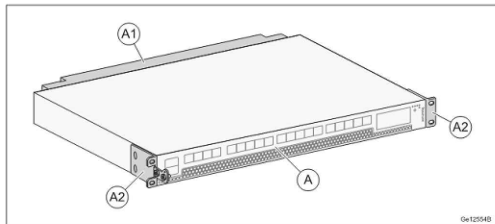


Figure 4 19-Inch Baseband Hardware Units Location

Table 8 19-Inch Baseband Hardware Units

Position	Name of Units	Number of Units
A	19-inch baseband unit	1
A1	Fan module	1
A2	Movable Brackets	2

Table 1 Dimensions and Weight

Baseband	Height	Width	Depth	Weight
Baseband 6620	1 U	19-inch	358 mm	< 6.5 kg
Baseband 6630	(44.45 mm)			

Table 2 Technical Data

Baseband	Radio Interface Line Rate	
	CPRI	eCPRI
Baseband 6620	2.5 Gbps, 4.9 Gbps ⁽¹⁾ , 9.8 Gbps ⁽¹⁾ , and 18.1 Gbps ⁽¹⁾	Not supported
Baseband 6630	2.5 Gbps, 4.9 Gbps ⁽¹⁾ , 9.8 Gbps ⁽¹⁾ , and 18.1 Gbps ⁽¹⁾	18.3 Gbps ⁽¹⁾

(1) Depending on the Software Package

BB 6630 DETAIL

SCALE: N.T.S.

1

T-Mobile

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Development Services, LLC

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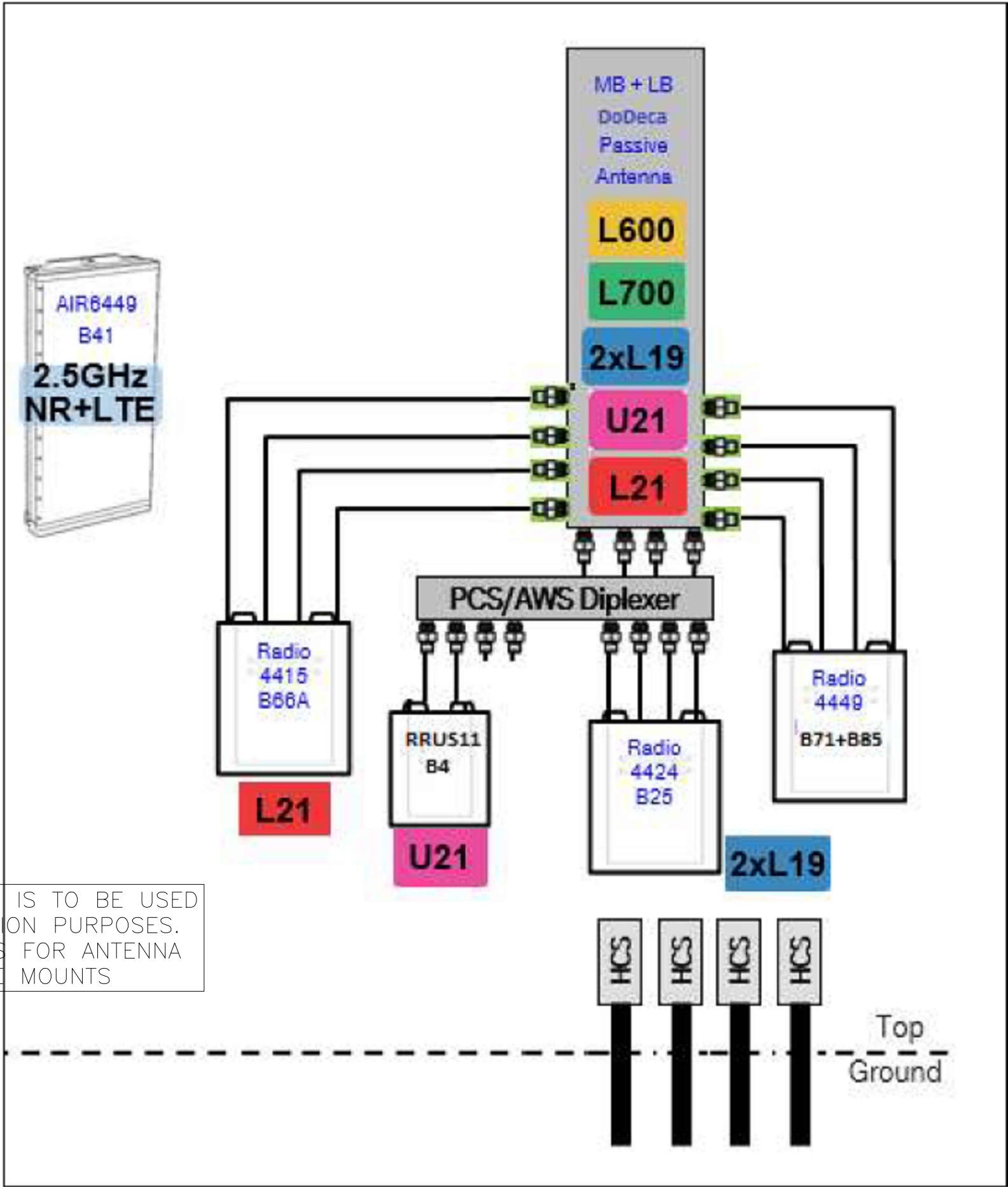
SHEET TITLE:

EQUIPMENT DETAILS

SHEET NUMBER:

A-4.1

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NOTE: THIS DIAGRAM IS TO BE USED ONLY FOR CONNECTION PURPOSES. REFER TO THE RFDS FOR ANTENNA POSITIONING ON THE MOUNTS

Notes:



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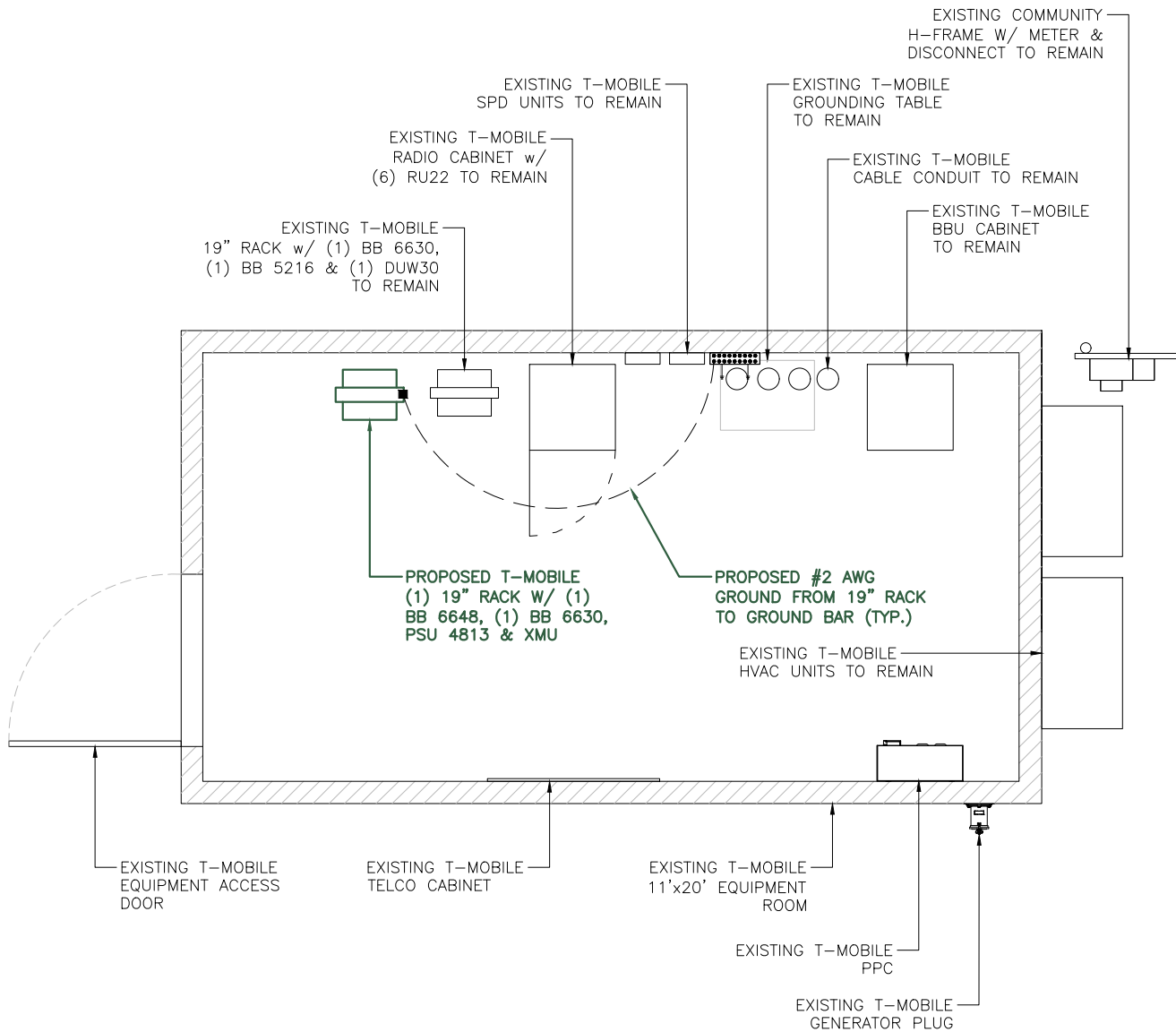
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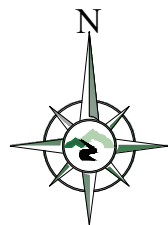
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LEGEND:

- — PROPOSED GROUND WIRE
- ▲ CADWELD CONNECTION (EXOTHERMIC WELD)
- MECHANICAL CONNECTION
- ⊗ GROUND ROD
- ⊙ TEST WELL



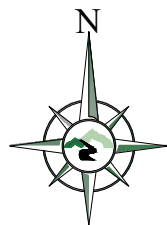
EQUIPMENT GROUNDING PLAN (TYPICAL)

SCALE: N.T.S.

2

LEGEND:

- — PROPOSED GROUND WIRE
- MECHANICAL CONNECTION
- EXOTHERMIC WELD CONNECTION

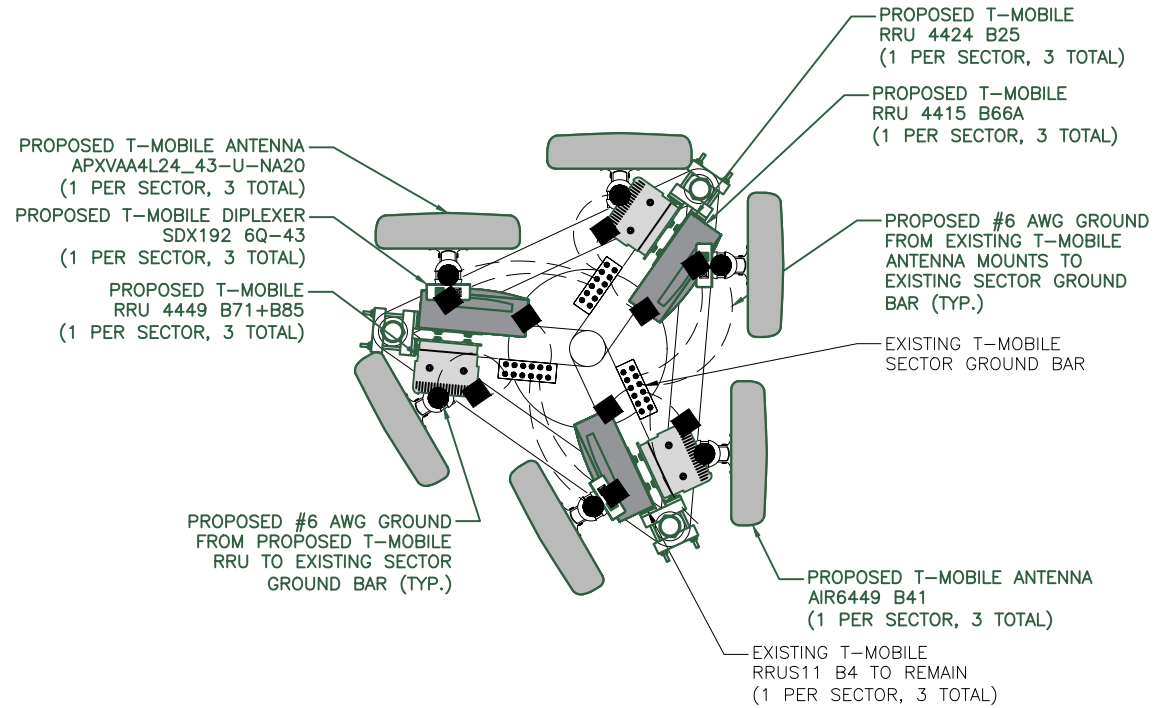


ANTENNA GROUNDING PLAN (TYPICAL)

SCALE: N.T.S.

1

NOTE: THE GROUNDING PLAN PROVIDED HEREIN IS SCHEMATIC BY NATURE. REFER TO GROUNDING NOTES ON SHEET GN-1 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



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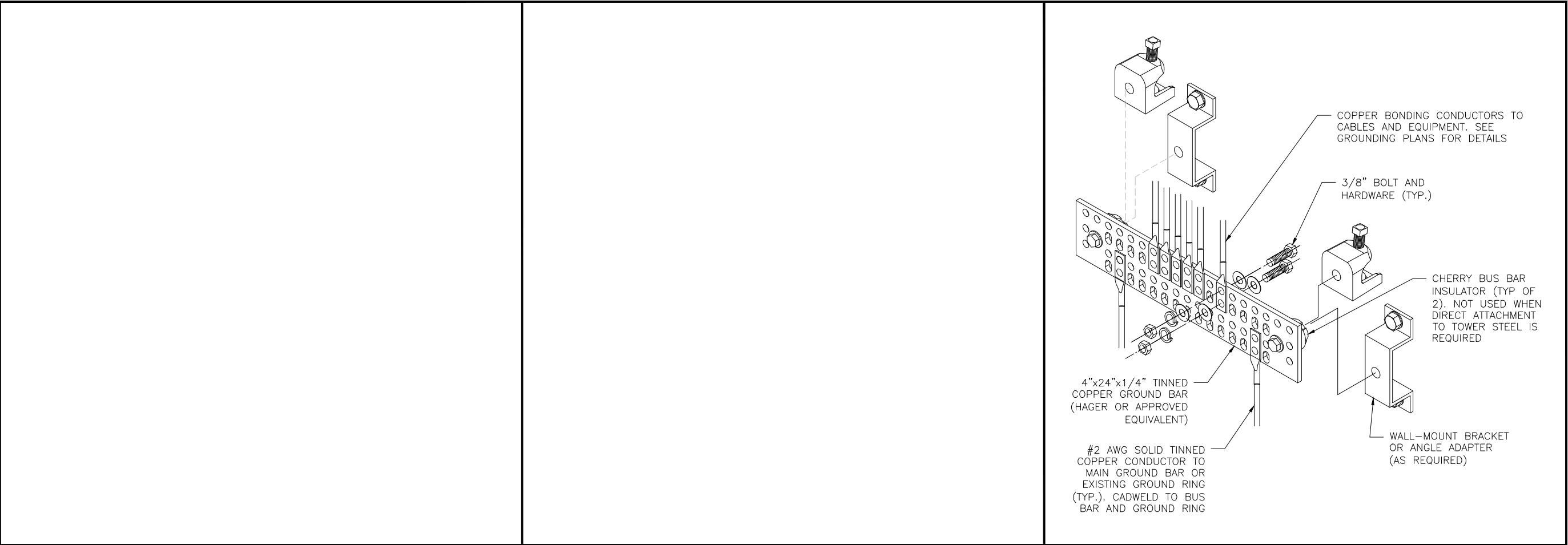
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GROUNDING PLANS

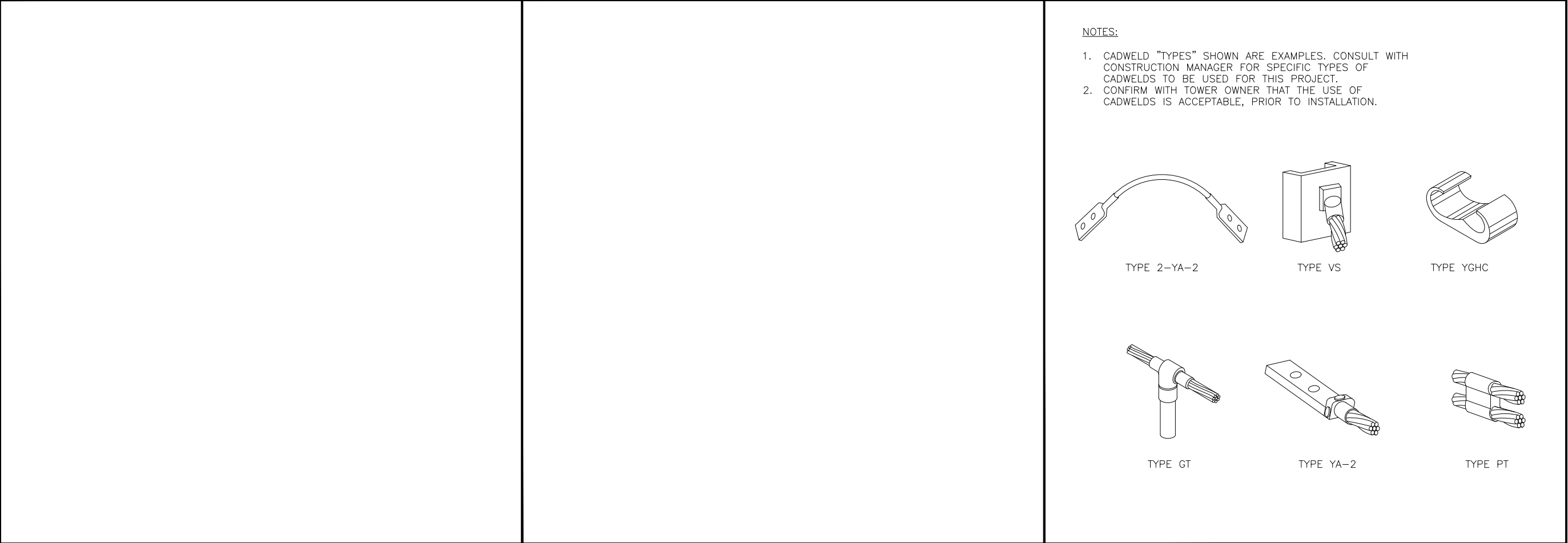
SHEET NUMBER:

G-1

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NOT USED	6	NOT USED	4	GROUND BAR DETAIL	SCALE: N.T.S.	2
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NOT USED	5	NOT USED	3	CADWELD CONNECTION TYPES	SCALE: N.T.S.	1
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SHEET TITLE:

GROUNDING DETAILS

SHEET NUMBER:

G-2