



Development Review Committee
1020 East Pioneer Road
Draper, Utah 84020

STAFF REPORT
July 3, 2025

To: Jennifer Jastremsky, Zoning Administrator

Approved	Date
----------	------

From: Development Review Committee

Prepared By: Maryann Pickering, AICP, Planner III
Planning Division
Community Development Department
(801) 576-6391 or maryann.pickering@draperutah.gov

Re: **T-Mobile Wireless Rimrock Building Upgrade – Permitted Use Permit Request**

Application No.: 2025-0088-USE
Applicant: Ruth Segura of Network Connex, representing T-Mobile
Project Location: 11716 S. 700 East
Current Zoning: CC (Community Commercial) Zone
Acreage: 1.02 acres (approximately 44,431 sq. ft.)
Request: Request for approval of a Permitted Use Permit in the CC zone regarding an existing wireless facility equipment upgrade.

SUMMARY AND BACKGROUND

This application is a request for approval of a Permitted Use Permit for approximately 1.02 acres located on the west side of 700 East, at approximately 11716 S. 700 East Parkway (Exhibits B and C). The property is currently zoned CC.

The wireless facility was approved in 2019 by the Draper City Zoning Administrator. That approval allowed a structure and platform to be built on the rooftop. The new wireless equipment was then placed within that structure and platform. The facility is now proposed to be upgraded with new technology.



ANALYSIS

General Plan and Zoning.

Table 1	General Plan and Zoning Designations	Exhibit
Existing Land Use	Community/Neighborhood Commercial	Exhibit D
Current Zoning	CC	Exhibit E
Proposed Use	Wireless Telecommunications Facility	
Adjacent Zoning		
East	RA1 (Residential Agricultural, 40,000 square foot lot minimum) and CN (Neighborhood Commercial)	
West	RM2 (Multiple Residential	
North	RA1	
South	RA1	

The Community/Neighborhood Commercial land use designation is a combination of two land use designations; Neighborhood Commercial and Community Commercial. These are each characterized as follows:

Neighborhood Commercial

LAND USE DESCRIPTION	
CHARACTERISTICS	<ul style="list-style-type: none"> • Small-scale commercial land uses that serve local residents in adjacent neighborhoods • Minimal impact in predominantly residential areas • Well-landscaped street frontages • Limited traffic access points and pedestrian access from surrounding residential areas • Don't overcrowd commercial lots; i.e., require adequate setback and landscape buffers • Screened parking and adequate ingress and egress to parking areas • Adequate drainage • Low noise standards
LAND USE MIX	<ul style="list-style-type: none"> • Small-scale commercial • Planned retail • Office
COMPATIBLE ZONING	<ul style="list-style-type: none"> • Neighborhood Commercial (CN) • Institutional Care (IC) • Commercial Services (CS)
LOCATION	<ul style="list-style-type: none"> • Adjacent to neighborhood • Along local roads



Community Commercial

LAND USE DESCRIPTION	
CHARACTERISTICS	<ul style="list-style-type: none"> • Includes the full scope of commercial land uses that require and utilize exposure to the freeway • Intended to be traveler-or commuter-oriented and should provide lodging, food, personal services and other similar uses • Frontage roads • Deeper setbacks for landscaping and enhancements • Limited traffic access points • Visual unity • Uniform design standards and aesthetics • Access to individual properties should be provided only from frontage roads • Well landscaped street frontages • Limited traffic access points for the site • Common off-street traffic circulation and parking areas • Pedestrian access from surrounding residential areas
LAND USE MIX	<ul style="list-style-type: none"> • Large-scale, master-planned commercial centers • Big-box stores and offices
COMPATIBLE ZONING	<ul style="list-style-type: none"> • Community Commercial (CC) • General Commercial (CG) • Interchange Commercial (CI) • Institutional Care (IC)
LOCATION	<ul style="list-style-type: none"> • Strategically placed along high-traffic corridors with convenient points of traffic access to and from residential areas

According to Draper City Municipal Code (DCMC) Section 9-8-020 the purpose of the CC zone is to *“provide aesthetically attractive planned developments having a mix of office, research and development, light manufacturing, and limited retail uses. Typical uses in this zone include offices, clean indoor manufacturing facilities, service retail, restaurants, athletic clubs, personal service shops, medical offices, office/warehouse buildings, and research facilities.”*

Request. The existing wireless facility was built in approximately 2019. T-Mobile was the applicant at 2019 and is the only carrier on top of the building. The applicant notes the changes will not expand the existing compound or add any additional shelters or equipment sheds or platforms. Additionally, no new electrical service will be needed as service is already provided at the location (Exhibit F).

The following equipment changes will be taking place (Exhibit G):

Antenna, Radio and Cable Scope of Work

Remove:

- (3) Existing CMA-BDHH/6521/EO-6 Antennas, (1) per sector
- (3) Existing 4415 B66A Radios, (1) per sector
- (3) Existing 4415 B25 Radios, (1) per sector

Retain

- (3) Existing rooftop sled mounts
- (3) Existing Air 3246 B66 Antennas, (1) per sector
- (3) Existing 4449 B71+B85 Radios, (1) per sector
- Existing 6x12 HCS 6AWG 50M
- Existing 6x12 HCS 6AWG 60M

Relocate:

- (3) Existing AAPXVAARR24_43-U-NA20 Antennas to position 3, (1) per sector

Install:

- (3) New Air 6419 B41 Antennas to position 2, (1) per sector
- (3) New 4460 B25+B66 RRUs, (1) per sector
- New 6X24 HCS, 4AWG 50M
- New 6X24 HCS, 4AWG 60M

Equipment Scope of Work

Retain:

- All existing cabinet and cabinet mounted equipment

Install:

- New RP6651 Baseband to existing 6160 equipment cabinet

The existing array mounts will remain and additional modifications will be made to support some of the upgraded equipment proposed for installation. There are three existing antennas on the roof and there will continue to be three with the upgrade. The overall height of the antennas will be reduced by eight inches. The antennas will be in the same location and the existing screening wall will not be modified.

Lighting. No additions or changes to the existing site lighting are proposed with this application.

Previous Conditions of Approval. The Zoning Administrator placed the following conditions of approval on the prior Site Plan Amendment (SPR-522-2019) on March 22, 2019:

1. That all of the original requirements of the Draper City Engineering, Fire and Planning Divisions remain in full force.
2. That a building permit for the proposed structure is obtained prior to construction.
3. That after Zoning Administrator approval, the applicant submits four sets of plans to be stamped "Approved for Construction." Two of these shall be 24x36 in size and two shall be 11x17. Each of these sets shall contain all sheets previously submitted for review stapled together.

Criteria For Approval. The criteria for review and potential approval of a permitted use request is found in Section 9-5-070(E) of the Draper City Municipal Code. This section depicts the standard of review for such requests as:

- E. Approval Standards: The following standards shall apply to the issuance of a permitted use permit. A permitted use shall:*
1. *Be allowed as a permitted use in the applicable zone;*
 2. *Conform to development standards of the applicable zone;*
 3. *Conform to applicable regulations of general applicability and regulations for specific uses set forth in this title;*
 4. *Not be located on any land classified as a primary or secondary conservation area or sensitive land area, except as expressly permitted by provisions of this title;*
 5. *Not be located in any protected area as shown on a natural resource inventory; and*
 6. *Conform to any other applicable requirements of this code.*

REVIEWS

Planning Division Review. The Draper City Planning Division has completed their review of the Permitted Use Permit submission. Comments from this division, if any, can be found in Exhibit A.

Engineering and Public Works Divisions Review. The Draper City Engineering and Public Works Divisions have completed their reviews of the Permitted Use Permit submission. Comments from these divisions, if any, can be found in Exhibit A.

Building Division Review. The Draper City Building Division has completed their review of the Permitted Use Permit submission. Comments from this division, if any, can be found in Exhibit A.

Fire Division Review. The Draper City Fire Marshal has completed his review of the Permitted Use Permit submission. Comments from this division, if any, can be found in Exhibit A.

Noticing. A notice of decision will be issued as outlined in the City and State Codes.

STAFF RECOMMENDATION

Staff finds that the application complies with the DCMC and recommends that the Zoning Administrator review the request and approve the application based on the conditions and findings for approval listed below and the criteria for approval as listed within the staff report.

If the Zoning Administrator decides to approve the request, staff recommends they include the following conditions of approval:

1. That the applicant shall obtain all applicable permits from Draper City Fire and the Building Division, as required for installation of the new components.

Findings for approval:

1. The application is allowed as a permitted use in the applicable zone.
2. The application conforms to development standards of the applicable zone.
3. The application conforms to applicable regulations of general applicability and regulations for the specific use set forth in DCMC Chapter 9-41.
4. The application is not located on land classified as a primary or secondary conservation area or sensitive land area.
5. The land is not located in any protected area as shown on a natural resource Inventory.
6. The application conforms to applicable requirements of Title 9 of the DCMC.

DEVELOPMENT REVIEW COMMITTEE ACKNOWLEDGEMENT

We, the undersigned, as duly appointed members of the Draper City Development Review Committee, do acknowledge that the application which provides the subject for this staff report has been reviewed by the Committee and has been found to be appropriate for review by the Draper City Planning Commission and/or City Council.

Brien Maxfield

Digitally signed by Brien Maxfield
DN: C=US,
E=brien.maxfield@draperutah.gov,
O=Draper, OU=Public Works -
Engineering, CN=Brien Maxfield
Date: 2025.07.03 16:44:40-06'00'

Draper City Public Works Department

Todd A. Draper

Digitally signed by Todd A.
Draper
DN: C=US,
E=todd.draper@draper.ut.us,
O=Draper City Planning,
CN=Todd A. Draper
Date: 2025.07.07
08:46:38-06'00'

Draper City Planning Division


Draper City Fire Department


Draper City Legal Counsel

Reid Gerritsen

Digitally signed by Reid Gerritsen
DN: C=US,
E=reid.gerritsen@draperutah.gov,
OU=Draper City Building, CN=Reid Gerritsen
Reason: I attest to the accuracy and integrity
of this document
Contact Info: 801.576.6534
Date: 2025.07.07 07:02:48-06'00'

Draper City Building Division

EXHIBIT A
DEPARTMENT REVIEWS

REVIEWS ARE NOT MEANT TO BE AN ALL INCLUSIVE LIST OF POSSIBLE COMMENTS OR CONDITIONS.

Planning Division Review.

1. No additional comments.

Engineering and Public Works Divisions Review.

1. No additional comments.

Building Division Review.

1. No additional comments.

Fire Division Review.

1. No additional comments.

EXHIBIT B
VICINITY MAP



EXHIBIT C
AERIAL MAP



Rimrock Building Wireless PUP
11716 S. 700 East

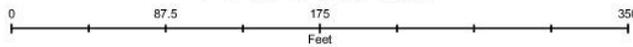
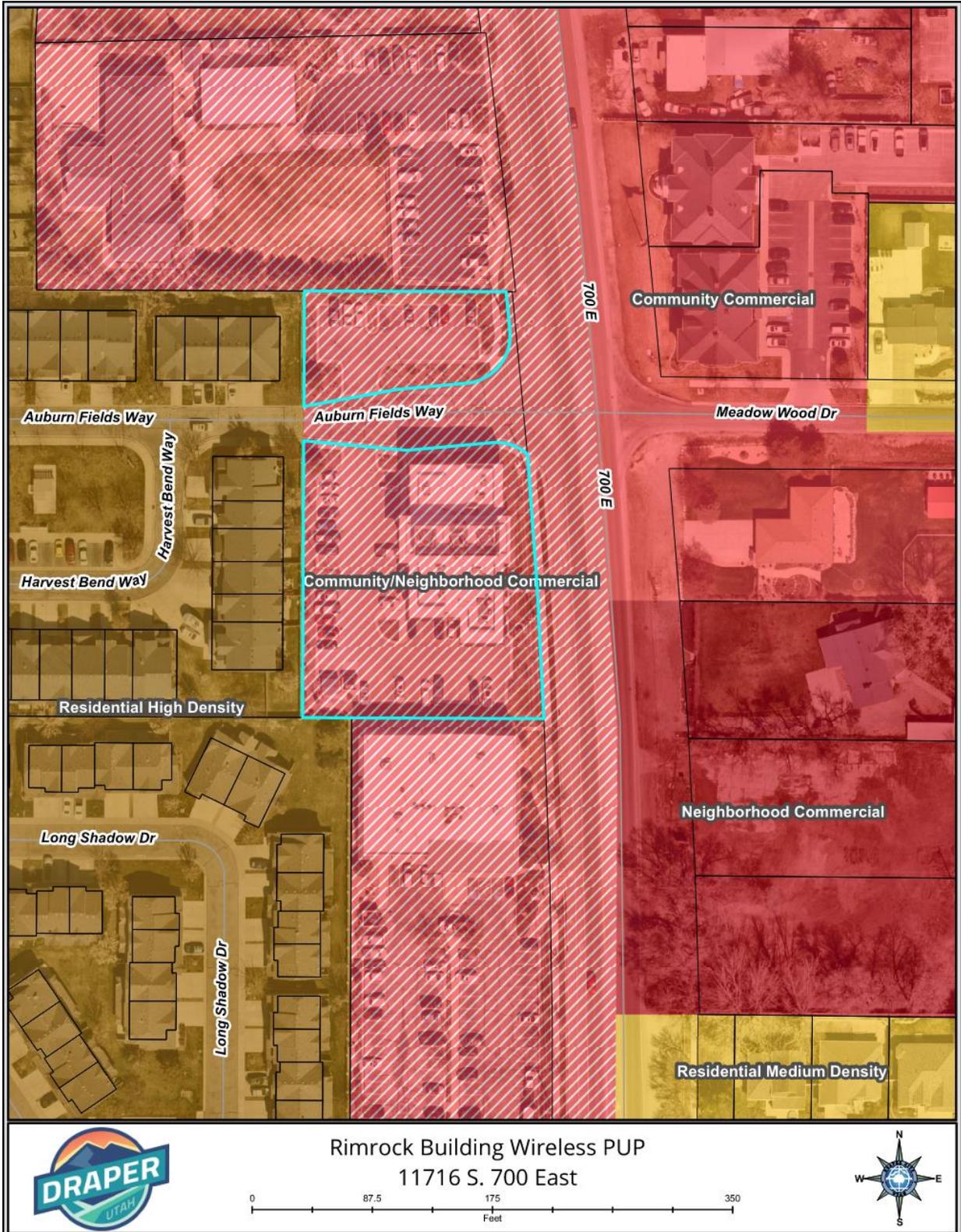


EXHIBIT D
LAND USE MAP



Rimrock Building Wireless PUP
11716 S. 700 East

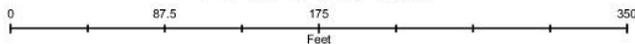
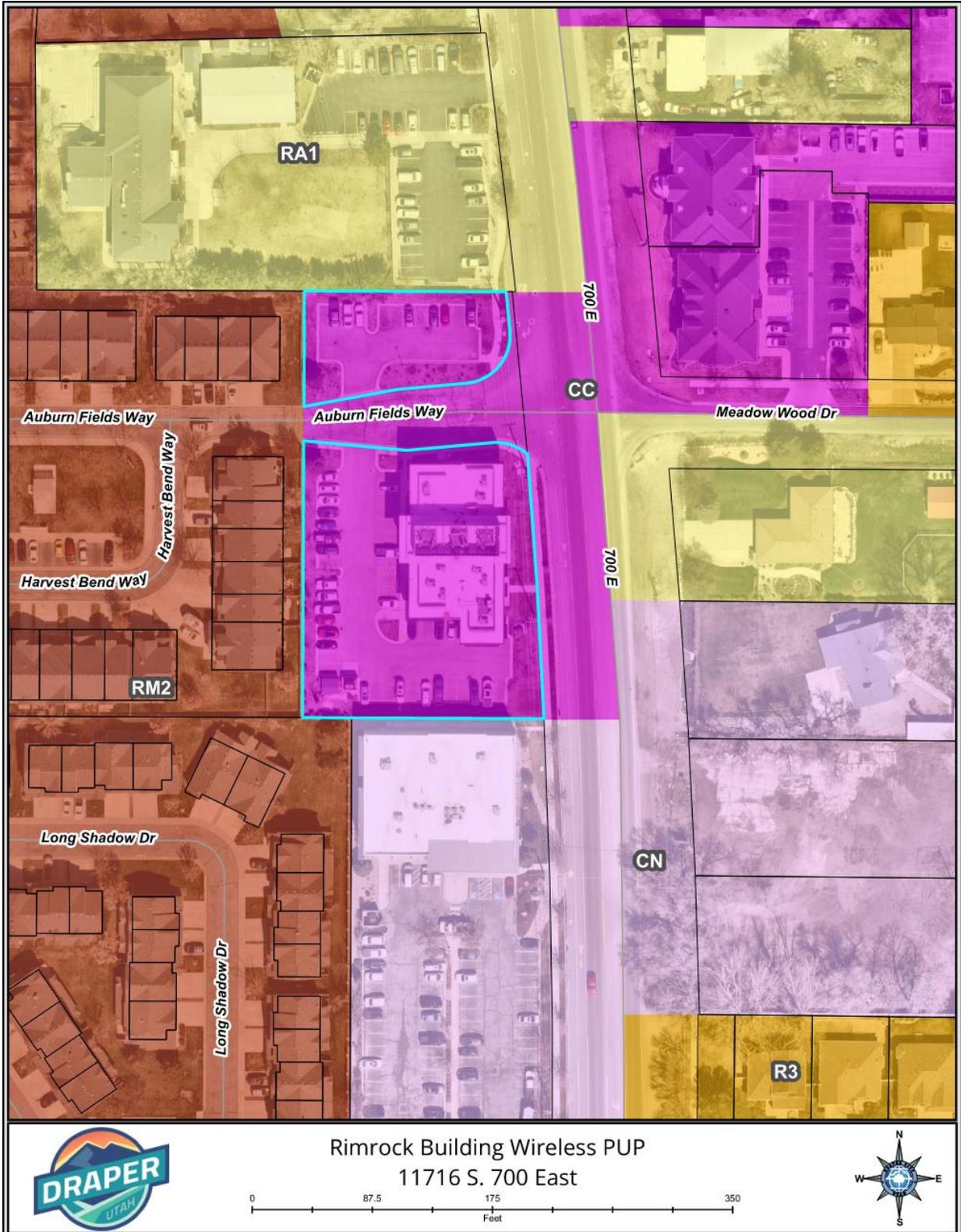


EXHIBIT E
ZONING MAP



Rimrock Building Wireless PUP
11716 S. 700 East

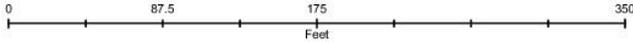


EXHIBIT F
APPLICANT STATEMENT



City of Draper
Planning Department
1020 E. Pioneer Road
Draper, UT 84020

VIA Online Portal

January 28, 2025

RE: Request for Minor Modification to Existing Wireless Facility

Site Address: 11716 South 700 East, Draper, UT 84020
Tax Lot #: 28-20-351-028-0000
T-Mobile Project No.: SL09036B_Rimrock Building

Dear Staff,

On behalf of T-Mobile West, LLC ("T-Mobile"), we are pleased to submit this request to modify T-Mobiles existing wireless communication site at the location referenced above.

Scope of Work:

T-Mobile proposes the following minor modifications to the existing wireless communications tower (Full Description on Page T-1 of attached plans):

Antenna, Radio and Cable Scope of Work

- Remove:
 - o (3) Existing CMA-BDHH/6521/EO-6 Antennas, (1) per sector
 - o (3) Existing 4415 B66A Radios, (1) per sector
 - o (3) Existing 4415 B25 Radios, (1) per sector

- Retain
 - o (3) Existing rooftop sled mounts
 - o (3) Existing Air 3246 B66 Antennas, (1) per sector
 - o (3) Existing 4449 B71+B85 Radios, (1) per sector
 - o (1) Existing 6x12 HCS 6AWG 50M
 - o (1) Existing 6x12 HCS 6AWG 60M

- Relocate:

- (3) Existing AAPXVAARR24_43-U-NA20 Antennas to position 3, (1) per sector
- Install:
 - (3) New Air 6419 B41 Antennas to position 2, (1) per sector
 - (3) New 4460 B25+B66 RRUs, (1) per sector
 - (1) New 6X24 HCS, 4AWG 50M
 - (2) New 6X24 HCS, 4AWG 60M

Equipment Scope of Work

- Retain:
 - All existing cabinet and cabinet mounted equipment
- Install:
 - (1) New RP6651 Baseband to existing 6160 equipment cabinet

Thank you for your consideration and please do not hesitate to contact me if there are any questions or concerns.

Respectfully,

Ruth Segura

Ruth Segura
Permit Expeditor I
(661) 754-1282
rsegura@networkconnex.com

EXHIBIT G
CONSTRUCTION DRAWINGS



SITE NUMBER: SL09036B **CITY: DRAPER**
SITE NAME: RIMROCK BUILDING **COUNTY: SALT LAKE**
SITE TYPE: ROOFTOP **JURISDICTION: DRAPER CITY**

PROJECT INFORMATION:
(ANCHOR)
SL09036B
RIMROCK BUILDING
11716 SOUTH 700 EAST
DRAPER, UT 84020
SALT LAKE COUNTY

CURRENT ISSUE DATE:
12/31/24

ISSUED FOR:
CONSTRUCTION

REV.	DATE	DESCRIPTION	BY
▲	12/18/24	90% CD	ZS
0	12/31/24	100% CD	ZS

PROJECT SUMMARY

SITE ADDRESS:
11716 SOUTH 700 EAST
DRAPER, UT 84020

SITE COORDINATES & ELEVATION:
LAT: 40.53851945° (NAD 83)
LONG: -111.87153612° (NAD 83)
ELEV: 4,996± AMSL (NAVD 88)

PROPERTY OWNER CONTACT:
EH MOSS 11716 LLC
13489 S BANBURY PARK LN,
DRAPER, UT 84020

APPLICANT:
T-MOBILE
121 WEST ELECTION ROAD SUITE 330
DRAPER, UTAH 84020
SITE ACQ REPRESENTATIVE:
CONSTRUCTION MANAGER:
T-MOBILE PROJECT MANAGER:

SAMANTHA WILLETTS
GREG BOUVETTE
ANDY HILL

CONSULTING TEAM

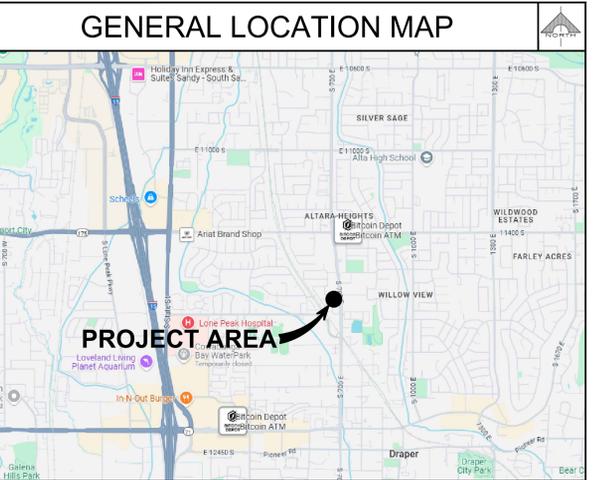
SAC/ZONING/PERMITTING:
NETWORK CONNEX
7151 COLUMBIA GATEWAY DR., SUITE A
COLUMBIA, MD 21046
CONTACT: SAMANTHA WILLETTS
PHONE: (616) 272-6229

ARCHITECTURAL/ENGINEERING:
NETWORK CONNEX
655 N. CENTRAL AVE, STE 1520
GLENDALE, CA 91203
CONTACT: DANIEL SEUNG TAE KIM, P.E.
PHONE: (818) 840-0808

STRUCTURAL ENGINEERING:
NETWORK CONNEX
655 N. CENTRAL AVE, STE 1520
GLENDALE, CA 91203
CONTACT: DANIEL SEUNG TAE KIM, P.E.
PHONE: (818) 840-0808

DRAWING INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
T-3	ABBREVIATIONS, SPECIFICATIONS AND SYMBOLS
T-4	GENERAL STRUCTURAL NOTES
A-1	OVERALL SITE PLAN
A-1.1	ENLARGED COMPOUND PLAN
A-2	EXISTING ANTENNA LAYOUT PLAN
A-3	NEW ANTENNA LAYOUT PLAN
A-4	EQUIPMENT LAYOUT PLANS
A-5	EAST ELEVATIONS
D-1	DETAILS AND SPECIFICATIONS I
G-1	GROUNDING NOTES AND DETAILS



PROJECT DESCRIPTION

THE PROJECT ENTAILS:
T-MOBILE PROPOSES TO MODIFY (E) WIRELESS TELECOMMUNICATIONS SITE BY:

ANTENNA, RADIO, AND CABLE SCOPE OF WORK:

- RETAIN (3) EXISTING ROOFTOP SLED MOUNTS
- RETAIN (3) EXISTING AIR 3246 B66 ANTENNAS, (1) PER SECTOR
- REMOVE (3) EXISTING CMA-BDHH/6521/E0-6 ANTENNAS, (1) PER SECTOR
- REMOVE (3) EXISTING 4415 B66A RADIOS, (1) PER SECTOR
- REMOVE (3) EXISTING 4415 B25 RADIOS, (1) PER SECTOR
- RETAIN (3) EXISTING 4449 B71+B85 RADIOS, (1) PER SECTOR
- RETAIN (1) EXISTING 6x12 HCS 6AWG 50M
- RETAIN (2) EXISTING 6x12 HCS 6AWG 60M
- RELOCATE (3) EXISTING APXVAARR24_43-U-NA20 ANTENNAS TO POSITION 3, (1) PER SECTOR
- ADD (3) NEW AIR 6419 B41 ANTENNAS TO POSITION 2, (1) PER SECTOR
- ADD (3) NEW 4460 B25+B66 RRU's, (1) PER SECTOR
- ADD (1) NEW 6x24 HCS, 4AWG 50M
- ADD (2) NEW 6x24 HCS, 4AWG 60M

EQUIPMENT SCOPE OF WORK:

- RETAIN ALL EXISTING CABINET AND CABINET MOUNTED EQUIPMENT
- ADD (1) NEW RP6651 BASEBAND TO EXISTING 6160 EQUIPMENT CABINET

SITE SUMMARY

OCCUPANCY CLASSIFICATION: U (UNMANNED TELECOMMUNICATIONS FACILITY)
ZONING : COMMERCIAL
BUILDING TYPE: UNMANNED TELECOMMUNICATIONS FACILITY
APN: 28-20-351-028-0000

UTILITY PURVEYOR

POWER: COMPANY: - PG&E **TELCO:** COMPANY: - AT&T

APPROVAL

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

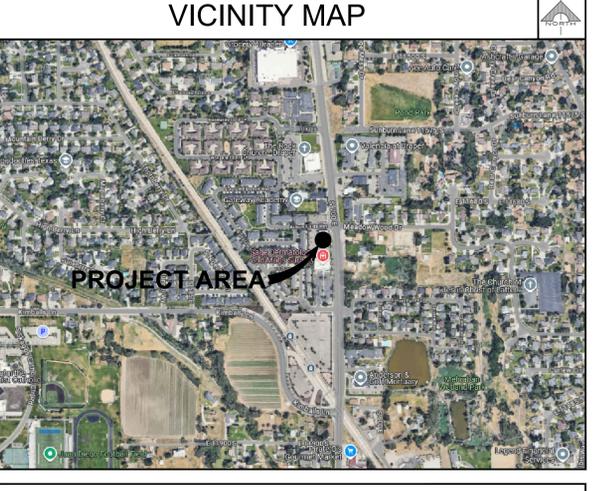
	PRINT NAME	SIGNATURE	DATE
LANDLORD:			
ZONING MGR:			
DEVELOP. MGR:			
CONST. MGR:			
PROJECT MGR:			
SR. RF ENGINEER:			
RF ENGINEER:			
OPERATIONS:			
SAC REP.:			
UTILITIES:			
REAL ESTATE MGR:			

ACCESSIBILITY REQUIREMENTS

THE FACILITY IS UNMANNED AND NOT FOR CONTINUOUS HUMAN HABITATION. HANDICAPPED ACCESS IS NOT REQUIRED PER UTAH BUILDING CODE 2021, SECTION 1103.2.7 (LIMITED ACCESS SPACES) SECTION 1103.2.9 (EQUIPMENT SPACES)

CODE COMPLIANCE

- UTAH BUILDING CODE 2021
- UTAH FIRE CODE 2021
- UTAH ELECTRICAL CODE 2020
- UTAH MECHANICAL CODE 2021
- UTAH PLUMBING CODE 2021
- ANSI / TIA-222-H-2017
- LOCAL BUILDING CODE
- CITY / COUNTY ORDINANCES
- ASCE 7-16
- ACI 318-19
- AISC STEEL CONSTRUCTION MANUAL, 15TH EDITION



PLANS PREPARED BY:

NETWORK CONNEX
655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:

NETWORK CONNEX
655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: ZS CHK.: ML APV.: ML



SHEET TITLE:
TITLE SHEET

SHEET NUMBER: T-1 REVISION: 0
SL09036B

ROOFING & WATERPROOFING NOTES

- CONTRACTOR SHALL CONTACT THE BUILDING OWNER TO DETERMINE IF ROOF IS UNDER WARRANTY. CONTRACTOR SHALL GUARANTEE THAT ANY AND ALL NEW ROOFING WORK MEETS THE SPECIFICATION OF ANY EXISTING ROOFING WARRANTIES SUCH THAT THE WARRANTY IS NOT MADE INVALID AS A RESULT OF THIS WORK. IF IT IS DETERMINED THAT THE ARCHITECT'S DETAILING IS INADEQUATE OR IMPROPER OR IF ANY OTHER DISCREPANCY IS FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND THE CLIENT PROJECT MANAGER IN WRITING. ULTIMATELY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE ORIGINAL ROOF MANUFACTURER'S SPECIFICATIONS.
- CONTRACTOR SHALL USE METHODS AND MATERIALS SIMILAR AND COMPATIBLE WITH EXISTING MATERIALS & CONDITIONS FOR ROOF PATCHING, NEW PENETRATIONS, ETC.
- THE CONTRACTOR SHALL PROPERLY SEAL ALL NEW ROOF & BUILDING ENVELOPE PENETRATIONS SUCH THAT THE INTEGRITY OF THE ORIGINAL BUILDING ASSEMBLY AND ALL APPLICABLE WARRANTIES ARE MAINTAINED.
- IF IT DEEMED NECESSARY TO REMOVE EXISTING FINISHED AND/OR MATERIALS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONSTRUCTING FINISHES AND MATERIALS TO LINE-NEW CONDITIONS. CONTRACTOR SHALL MAINTAIN THE ORIGINAL COLORS, TEXTURES & FINISHES UNLESS SPECIFICALLY NOTED TO THE CONTRARY OR APPROVED T-MOBILE CONSTRUCTION MANAGER IN ADVANCE.
- AT THE CLIENT CONSTRUCTION MANAGER'S DISCRETION, THE CONTRACTOR SHALL PROVIDE ROOFTOP WALKPADS TO ALL NEW EQUIPMENT INCLUDING ANTENNAS AND BTS UNITS AND ALONG COAX CABLE ROUTING. ON CONVENTIONAL ROOFING, THE WALK PADS SHALL BE "DUCK BOARDS" AS MANUFACTURED BY APC OR EQUAL. ON SPECIAL ROOFING SYSTEMS SUCH AS SINGLE MEMBRANE ROOFS WILL REQUIRE A SPECIFIC PRODUCT AS NOTED ON PLANS OR AS REQUIRED BY NOTES 1 & 2 ABOVE.

PENETRATION AT FIRE RATED ASSEMBLIES NOTES

- AT THE CLIENT PROJECT MANAGER'S DIRECTION, THE CONTRACTOR SHALL PROVIDE "HILT" HIGH PERFORMANCE FIRESTOP SYSTEM #FS601 AT ALL FIRE RATED PENETRATIONS INSTALLED PER MANUFACTURER'S LATEST INSTALLATION SPECIFICATIONS.
- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.

GENERAL NOTES

- THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" ARE INCLUDED IN THESE SPECIFICATIONS AS IF COMPLETELY REPRODUCED HEREIN.
- THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATION.
- THIS FACILITY IS AN UNOCCUPIED T-MOBILE TELECOMMUNICATIONS SITE AND IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.
- PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS PARTICIPATING SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL FIELD CONDITIONS AFFECTING THE PROPOSED PROJECT INCLUDING DEMOLITION, ELECTRICAL, MECHANICAL AND STRUCTURAL INSTALLATIONS, AS WELL AS WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS AND SHALL CONFIRM THAT THE PROJECT CAN BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH THE CONSTRUCTION. SHOULD ANY ERRORS, OMISSION, OR DISCREPANCIES BE FOUND, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY NETWORK CONNEX AND THE PROJECT ARCHITECT / ENGINEER IN WRITING. IN THE EVENT OF DISCREPANCIES FOUND, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY NETWORK CONNEX AND THE PROJECT ARCHITECT / ENGINEER IN WRITING. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL INCLUDE THE MORE COSTLY OR EXTENSIVE WORK IN THE BID, UNLESS SPECIFICALLY DIRECTED OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERROR, OMISSION, OR INCONSISTENCY AFTER THE START OF THE CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT / ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE MEANS OF CORRECTING ANY ERROR SHALL FIRST BE APPROVED BY THE PROJECT ARCHITECT / ENGINEER.
- THE CONTRACTOR SHALL INCLUDE IN HIS OR HER BID ALL MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE THE WORK AS INDICATED OR IMPLIED BY THESE DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION WHILE ANY SUBCONTRACTORS OR WORKMEN ARE IN THE SITE AND SHALL SUPERVISE AND DIRECT ALL WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- WORKMANSHIP THROUGHOUT SHALL BE OF THE BEST QUALITY OF THE TRADE INVOLVED, AND SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REFERENCE STANDARDS FOR QUALITY AND PROFESSIONAL CONSTRUCTION PRACTICE:
 - NCRA NATIONAL ROOFING CONTRACTORS ASSOCIATION
0' HARE INTERNATIONAL CENTER
10255 W. HIGGINS ROAD, SUITE 600
ROSEMONT, IL 60018
 - SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
4201 LAFAYETTE CENTER DRIVE
CHANTILLY, VA 20151
 - ILP INTERNATIONAL INSTITUTE FOR LATH AND PLASTER
P.O. BOX 1663
LAFAYETTE, CA 94549
- INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED, OR WHERE LOCAL CODES OR REGULATIONS PRECEDENCE.
- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL GIVE ALL NOTICES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES, REGULATIONS, LAWS AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FAULTY, INFERIOR, AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR FAULTY WORKMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE AND ACCEPTED UNDER THIS CONTRACT, UNLESS NOTED OTHERWISE IN THE CONTRACT BETWEEN THE OWNER AND CONTRACTOR. (EXCEPTION) THE ROOFING SUBCONTRACTOR SHALL FURNISH A MAINTENANCE AGREEMENT (FOR ALL WORK DONE, COSIGNED BY THE GENERAL CONTRACTOR, TO MAINTAIN THE ROOFING IN A WATER TIGHT CONDITION FOR A PERIOD OF TWO (2) YEARS STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, UNLESS OTHERWISE WRITTEN IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR.

GENERAL NOTES (CONTINUATION)

- THE GENERAL CONTRACTOR MUST PERFORM WORK DURING PROPERTY OWNER'S PREFERRED HOURS TO AVOID DISRUPTION OF NORMAL ACTIVITY.
- ALL EXPOSED METAL SHEET SHALL BE HOT-DIPPED GALVANIZED.
- PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA CONSTRUCTION.
- THE GOVERNING AGENCIES, CODE AUTHORITIES, AND BUILDING INSPECTORS SHALL PROVIDE THE MINIMUM STANDARDS FOR CONSTRUCTION TECHNIQUES, MATERIALS, AND FINISHES USED THROUGHOUT THE PROJECT TRADE STANDARDS AND/OR PUBLISHED MANUFACTURERS SPECIFICATIONS MEETING OR EXCEEDING DESIGN REQUIREMENTS SHALL BE USED FOR INSTALLATION.
- PRIOR TO STARTING CONSTRUCTION OF THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK.
- A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.
- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUM'S, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT DRAWINGS TO THE ARCHITECT/ENGINEER AND THE LANDLORD/LESSOR AT THE CONCLUSION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE FROM THE START TO THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AT ALL TIMES FOR THE LANDLORD/LESSOR PERSONNEL.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY POWER, WATER AND TOILET FACILITIES.
- ALL CONSTRUCTION PHASES OF THE PROJECT SHALL CONFORM TO THE CURRENT GOVERNING CODES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE OR PROVIDE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
- THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK, USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS. HE IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND/OR INSPECTIONS TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF THE SAID DOCUMENT.
- ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHALL APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH THE FIRE RATE ASSEMBLIES.
- (N) CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.
- WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
29. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
- ALL DEBRIS AND REFUSE IS TO BE REMOVED FROM THE PROJECT DAILY. PREMISES SHALL BE LEFT IN A CLEAN/SWEPT CONDITION AT ALL TIMES.
- ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTORS SHALL BID WALK THE PROJECT TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE (N) WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR THE FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY THE SUBCONTRACTOR(S).
- 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 EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK. GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS, PRIOR TO STARTING WORK.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID.
- ANY REFERENCES TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUBCONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.

GENERAL NOTES (CONTINUATION)

- A PRE-CONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM AFFECTED AGENCIES SHALL BE HELD ON THE JOB AT LEAST ONE (1) WEEK PRIOR TO BEGINNING CONSTRUCTION.
 - DRAWINGS ARE NOT TO BE SCALED UNDER ANY CIRCUMSTANCES, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL PROVIDE FIELD MEASUREMENTS AS NECESSARY TO COMPLETE ALL WORKS AND THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN. NETWORK CONNEX IS NOT RESPONSIBLE FOR ANY ERRORS RESULTING FROM THIS PRACTICE WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS.
 - DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.
- SITE PREPARATION NOTES**
- THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS THAT MIGHT DAMAGE THE FOOTINGS OF THE (N) STRUCTURE.
 - BACKFILL ALL TRENCHES WITH CLEAN, STERILE SOIL HAVING A SAND EQUIVALENT OF 30% OR GREATER. BACKFILL IN 8 INCH LAYERS, MOISTURE CONDITIONED AND PROPERLY COMPACTED. ADEQUATE DRAINAGE SHALL BE PROVIDED SUCH THAT NO PONDING OCCURS.
 - ALL FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL OR APPROVED COMPACTED FILL. FOOTINGS SHALL EXTEND INTO SOIL DEPTH AS INDICATED IN PLANS.
 - SHOULD ANY LOOSE FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER UNEXPECTED CONDITIONS BE ENCOUNTERED DURING THE EXCAVATION FOR THE (N) FOUNDATION, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED AND ALL FOUNDATION WORK SHALL CEASE IMMEDIATELY.
 - WITHIN AN AREA A MINIMUM OF 5 FEET BEYOND THE BUILDING LIMITS, EXCAVATE A MINIMUM OF 4" OF EXISTING SOIL. REMOVE ALL ORGANICS, PAVEMENT, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE MATERIAL.
 - THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY PROBING OR TESTING TO CHECK FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL. EXCAVATE UNSUITABLE SOIL AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
 - PROOF ROLL THE SURFACE OF THE EXPOSED SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. REMOVE ALL SOILS WHICH PUMP OR DO NOT COMPACT PROPERLY AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
 - FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL PLACE IN 8" LOOSE LIFTS AND THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-698. COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION
 - ANY STRUCTURAL DRAWINGS HERE IN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - THE ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR COMPLICATIONS, DAMAGES, INJURY, OR DEATH ARISING OUT OF ANY KIND OF NEGLIGENCE PRIOR TO COMPLETION OF THE FINISHED STRUCTURE.
 - PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO (N) OR EXISTING SURFACES, STRUCTURES OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGED AREAS.
 - WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE FLOOR OR ROOF SO AS NOT TO EXCEED THE DESIGNED LIVE LOADS FOR THE STRUCTURE. TEMPORARY SHORING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.
 - PRIOR TO PROCEEDING WITH ANY WORK WITHIN AN EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

SHOP DRAWING REVIEW

- REVIEW BY THE ARCHITECT/ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THERE FROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTION FABRICATION PROCESSES.

LANDLORD/LESSOR NOTES

- A PRECONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM APPLICABLE AGENCIES SHALL BE HELD ON SITE AT LEAST ONCE PRIOR TO BEGINNING CONSTRUCTION AT WHICH TIME A CONSTRUCTION SCHEDULE AND 24-HOUR CONTACT INFORMATION SHALL BE PROVIDED TO LANDLORD/LESSOR.
- CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AT ALL TIMES FOR LANDLORD/LESSOR PERSONNEL. OPEN TRENCHES SHALL BE PROPERLY PLATED AT THE END OF EACH WORKING DAY TO ALLOW FOR 24-HOUR LANDLORD/LESSOR ACCESS TO THE SITE.
- THE CONTRACTOR AND CELL CARRIER SHALL BE RESPONSIBLE FOR ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES TO THE EXISTING SITE AND SHALL RETURN DAMAGED FACILITIES TO EXISTING CONDITION OR BETTER AT NO COST TO THE LANDLORD/LESSOR.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (DIG ALERT) AT LEAST TWO (2) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION AT 1-800-422-4133.
- ALL (N) AND EXISTING FACILITIES OWNED BY THE REPRESENTED CELLULAR CARRIER SHALL BE PROPERLY TAGGED IDENTIFYING THE OWNER'S NAME AND 24-HOUR PHONE NUMBER.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE SITE IS SECURE DURING BOTH WORKING AND NON-WORKING HOURS.

ACCESSIBILITY EXCEPTION NOTES

- SECTION 11B-203.4: LIMITED ACCESS SPACES - SPACES NOT CUSTOMARILY OCCUPIED AND ACCESSED ONLY BY LADDERS, CATWALKS, CRAWL SPACES OR VERY NARROW PASSAGEWAYS SHALL NOT BE REQUIRED TO COMPLY WITH THESE REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE.
- SECTION 11B-203.5: MACHINERY SPACES - SPACES FREQUENTED ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR OR OCCASIONAL MONITORING OF EQUIPMENT SHALL NOT BE REQUIRED TO COMPLY WITH THIS REQUIREMENT OR TO BE ON AN ACCESSIBLE ROUTE. MACHINERY SPACES INCLUDE, BUT ARE NOT LIMITED TO, ELEVATOR PITS OR ELEVATOR PENTHOUSES; MECHANICAL ELECTRICAL OR COMMUNICATIONS EQUIPMENT ROOMS; PIPING OR EQUIPMENT CATWALKS; WATER OR SEWAGE TREATMENT PUMP ROOMS AND STATIONS; ELECTRIC SUBSTATIONS AND TRANSFORMER VAULTS; AND HIGHWAY AND TUNNEL FACILITIES.

GENERAL RF NOTES

- ALL ANTENNAS AND ANTENNA CABLE SHALL BE FURNISHED BY T-MOBILE WIRELESS AND INSTALLED BY ANTENNA INSTALLATION CONTRACTOR.
- PRIOR TO INSTALLATION OF ANTENNAS THE CONTRACTOR SHALL VERIFY THAT THE AZIMUTH AND DIMENSIONS SHOWN ON THE PLANS MATCH ACTUAL FIELD CONDITIONS.
- ANTENNA INSTALLATION CONTRACTOR SHALL PROVIDE ALL CONDUIT, CABLE TRAYS, GROUND KITS, CLAMPS, GROUNDS, ETC., FOR COMPLETE INSTALLATION OF ANTENNAS AND CABLES SHOWN AND INTENDED AS REQUIRED FOR A COMPLETE OPERATING SYSTEM IN ACCORDANCE WITH T-MOBILE WIRELESS STANDARDS.
- ANTENNA CONDUIT SHALL INCLUDE FACTORY-MADE LARGE RADIUS SWEEPS AT ALL CHANGES IN DIRECTION. SWEEP RADIUS SHALL BE AS REQUIRED TO MEET COAX MANUFACTURER'S MINIMUM BENDING RADIUS.
- ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC WITH STEEL BENDS. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE IMC OR RIGID GALVANIZED. ALL EXPOSED CONDUIT PROTECTED IN A BUILDING OR ON A ROOF SHALL BE EMT OR UV STABILIZED, PAINTED, SCHEDULE 80 PVC.
- IN HIGH TRAFFIC AREAS OR WHERE SUSCEPTIBLE TO DAMAGE CONTRACTOR SHALL PROVIDE FORMED 14 GA GALVANIZED SHEET METAL COVER OVER COAXIAL CABLE ROUTES. WHERE CABLE IS RUN ON THE WALL, ATTACH UNISTRUT TO WALL AND COVER WITH 14 GA GALVANIZED FORMED SHEET METAL COVER OR MATERIAL AS DIRECTED BY T-MOBILE WIRELESS PROJECT MANAGER.
- VERIFY ROUTE AND LENGTH OF CABLE PRIOR TO CUTTING. ADJUST INDICATED ROUTE AS REQUIRED TO CLEAR EXISTING OBSTRUCTIONS AND MAINTAIN REQUIRED CLEARANCE FROM EXISTING EQUIPMENT AND FACILITIES.
- MAXIMUM LENGTH OF 7/8" COAXIAL CABLE SHALL BE 140'-0". MAXIMUM LENGTH OF 1-5/8" COAXIAL CABLE SHALL BE 240'-0".
- VERIFY MODEL NUMBERS OF ANTENNAS WITH T-MOBILE WIRELESS SERVICES.
- THE CONTRACTOR SHALL PROVIDE TESTING OF ANTENNAS AND SHALL PROVIDE DOCUMENTATION TO THE T-MOBILE WIRELESS PROJECT MANAGER.
- INSTALL EMBOSSED ALUMINUM IDENTIFICATION TAGS AT THE END OF THE MAIN COAXIAL CABLE RUNS, ALONG WITH THE END OF THE JUMPER CABLE LOCATED WITHIN THE PLINTH SECTION OF THE BTS UNIT.

NOTE:
CONTRACTOR TO FIELD VERIFY ALL (E) CONSTRUCTION CONDITIONS BEFORE SUBMITTAL OF FINAL BIDS, START OF CONSTRUCTION AND OR FABRICATION.



PROJECT INFORMATION:
(ANCHOR)
SL09036B
RIMROCK BUILDING
11716 SOUTH 700 EAST
DRAPER, UT 84020
SALT LAKE COUNTY

CURRENT ISSUE DATE:
12/31/24

ISSUED FOR:
CONSTRUCTION

REV.:	DATE:	DESCRIPTION:	BY:
△	12/18/24	90% CD	ZS
△	12/31/24	100% CD	ZS

PLANS PREPARED BY:
NETWORK CONNEX
655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:
NETWORK CONNEX
655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: ZS CHK.: ML APV.: ML

LICENSURE:

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER: T-2 REVISION: 0
SL09036B

PIM HYGIENE NOTES

WITHIN HIGH RISK PIM ZONES IN THE VICINITY OF T-MOBILE ANTENNAS/MOUNTS, THE FOLLOWING MUST BE PERFORMED:

- REPLACE/REMOVE ANY STAINLESS STEEL SNAP-IN CABLE HANGERS WITH LOW-PIM CONCEALFAB PIM SHIELD HYBRID OR PLASTIC SNAP-INS (CONCEALFAB PSPS OR PSHS MODEL SERIES)
- REPLACE/REMOVE ALL STAINLESS STEEL HOSE CLAMPS WITH CONCEALFAB ACETAL PLASTIC STRAPS (CONCEALFAB 9000443 SERIES)
- REMOVE/REPLACE ALL STAINLESS STEEL CABLE STANDOFF ADAPTERS/SUPPORT BRACKETS WITH CONCEALFAB PIM SHIELD PLASTIC CABLE SUPPORT SYSTEMS (E.G. CONCEALFAB 900860-10 TRAPEZOID SNAP-IN ADAPTER, CONCEALFAB 901043-10 MULTI-FUNCTION CABLE SUPPORT BASE, OR CONCEALFAB PIM SHIELD 900209-10 ROUND MEMBER BASE).
- IF AVAILABLE, REPLACE STAINLESS STEEL ANTENNA DOWNTILT/MOUNTING BRACKETS WITH NEW LOW-PIM DESIGN BRACKETS PROVIDED BY ANTENNA OEM. IF LOW-PIM BRACKETS ARE NOT AVAILABLE, LOOSEN HARDWARE, APPLY NO-OX TO SURFACES WHERE STAINLESS STEEL CONTACTS GALVANIZED STEEL AND RE-TORQUE HARDWARE TO MANUFACTURER'S SPECIFICATIONS.
- IF AVAILABLE, REPLACE STAINLESS STEEL HARDWARE WITH GALVANIZED STEEL HARDWARE FOR DOWNTILT/MOUNTING BRACKETS APPROVED BY THE ANTENNA OEM.
- REPLACE MIXED STAINLESS STEEL HARDWARE AT GALVANIZED STEEL CABLE SUPPORTS RE WITH CONCEALFAB GALVANIZED OR STAINLESS STEEL THREADED ROD KITS SO ALL HARDWARE AND CABLE SUPPORTS MATCH AND NO GALVANIC CORROSION MAY OCCUR.
- REMOVE ALL UNUSED CABLE SUPPORT HARDWARE
- TIGHTEN ALL NUTS AND BOLTS TO MANUFACTURER'S TORQUE SPECIFICATIONS
- REMOVE ALL METAL TRASH, SCRAP, SHAVINGS, AND DEBRIS
- ELIMINATE MECHANICAL TILT BRACKET IF SUFFICIENT ELECTRICAL TILT IS AVAILABLE AND REPLACE WITH NEW LOW-PIM MOUNTING BRACKET. IF MECHANICAL DOWNTILT BRACKETS ARE REQUIRED, INSTALL VINYL TAPE BETWEEN SURFACES WHERE METAL IS OVERLAPPING METAL.
- REPLACE ANY METALLIC RF SAFETY SIGN BRACKETS WITH PLASTIC, LOW PIM RF SAFETY SIGN WITH CONCEALFAB 901034-10 SAFETY SIGN SUPPORT KIT
- USE WIRE BRUSH OR SANDPAPER TO REMOVE ANY RUST/OXIDATION, WIPE SURFACE WITH CLEAN RAG AND SOLVENT TO REMOVE METAL DUST AND APPLY ZINC RICH PAINT
- DE-BURR ENDS OF PIPES, ANGLES, AND STEEL STRUT. WIPE SURFACE WITH CLEAN RAG AND SOLVENT TO REMOVE METAL DUST AND APPLY ZINC RICH PAINT
- IF STAINLESS STEEL SPRING NUTS ARE INSTALLED INSIDE GALVANIZED OR ZINC PLATED STRUT, REPLACE THE SPRING NUTS WITH A GALVANIZED STEEL NUT (WITH SPRING REMOVED).
- IF STEEL STRUT IS USED SOLELY FOR CABLE SUPPORT, REPLACE STRUT WITH LOW PIM ALTERNATIVE (CONCEALFAB 900356/900357 OR SIMILAR. IF STEEL STRUT IS USED FOR STRUCTURAL SUPPORT OF REMOTE RADIO UNITS, ANTENNAS, OR OTHER HEAVY EQUIPMENT DO NOT REPLACE WITH LOW PIM ALTERNATIVE WITHOUT ENGINEER'S WRITTEN APPROVAL. IF EXISTING STEEL STRUT IS NOT REPLACED, APPLY NO-OX TO ALL DISSIMILAR SURFACES.

ABBREVIATIONS

AB	ANCHOR BOLT	LA	LIGHTNING ARRESTOR
AC	ASPHALTIC CONCRETE	LAM	LAMINATED
A.C.	AIR CONDITIONING	LBS	POUNDS
ADJ	ADJUSTABLE	LNA	LOW NOISE AMPLIFIER
A.F.F.	ABOVE FINISH FLOOR	LT	LIGHT
ARCH	ARCHITECTURAL	LTE	LONG TERM EVOLUTION
APPROX.	APPROXIMATELY	MFR	MANUFACTURER
A.G.L.	ABOVE GRADE LEVEL	MAT	MATERIAL
A.M.S.L.	ABOVE MEAN SEA LEVEL	MAX	MAXIMUM
BD	BOARD	MECH	MECHANICAL
BLDG	BUILDING	MIN	MINIMUM
BLKG	BLOCKING	MISC	MISCELLANEOUS
BOT	BOTTOM	ML	METAL LATH
BSMT	BASEMENT	MO	MASONRY OPENING
BTS	BASE TRANSCIVER STATION	MOS	MOUNTED
		MTD	MOUNTED
		MTL	METAL
		(N)	NEW
C	COURSE(S)	NIC	NOT IN CONTRACT
CEM	CEMENT	NO	NUMBER
CL	CHAIN LINK	NTS	NOT TO SCALE
CLG	CEILING		
CLR	CLEAR	OA	OVERALL
CO	CONDUIT ONLY	O.C.	ON CENTER
COL	COLUMN	OPNG	OPENING
CONC	CONCRETE	OPP	OPPOSITE
CONST	CONSTRUCTION		
CONT	CONTINUOUS	PARTN	PARTITION
CORR	CORRIDOR	PL	PLATE
CPRI	COMMON PUBLIC RADIO INTERFACE CABLE	PLAS	PLASTER
		PLYWD	PLYWOOD
DIA	DIAMETER	POC	POINT OF CONNECTION
DBL	DOUBLE	PROP	PROPERTY
DEPT	DEPARTMENT	PSUs	POWER SUPPLY UNIT SYSTEM
DEMO	DEMOLITION	PT	PRESSURE TREATED
DIM	DIMENSION		
DN	DOWN	R	RISER
DR	DOOR	REOD	REQUIRED
DTL	DETAIL	RD	ROOF DRAIN
DUG	DIGITAL UNIT GSM	RM	ROOM
DUL	DIGITAL UNIT LTE	RMS	ROOMS
DUW	DIGITAL UNIT WCDMA	RO	ROUGH OPENING
DWG	DRAWING		
		SAR M	TELCO INTERFACE UNIT
(E)	EXISTING	SC	SOLID CORE
EA	EACH	SCHED	SCHEDULE
ELEC	ELECTRIC	SECT	SECTION
ELEV	ELEVATION	SFP	SMALL PLUGGABLE TRANSCIVER
EQUIP	EQUIPMENT	SHT	SHEET
EXP	EXPANSION	SIM	SIMILAR
EXT	EXTERIOR	SPECS	SPECIFICATIONS
		SS	STAINLESS STEEL
FA	FIRE ALARM	STL	STEEL
FB	FLAT BAR	STOR	STORAGE
FF	FINISH FLOOR	STRUCT	STRUCTURAL
FH	FLAT HEAD	SUSP	SUSPENDED
FIN	FINISH(ED)	SW	SWITCH
FLR	FLOOR	SWBO	SWITCHBOARD
FOS	FACE OF STUDS		
FS	FINISH SURFACE	THK	THICK
FT	FOOT, FEET	TI	TENANT IMPROVEMENT
FTG	FOOTING	TMA	TOWER MOUNTED AMPLIFIER
FW	FINISH WALL	TOS	TOP OF SURFACE
F.G.	FINISH GRADE	TS	TUBE STEEL
FUT	FUTURE	TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
GA	GAUGE	VCT	VINYL COMPOSITION
GALV	GALVANIZED	VERT	VERTICAL
GL	GLASS	V.I.F.	VERIFY IN FIELD
GR	GRADE	VG	VERTICAL GRAIN
GYP	GYPSUM		
GFCI	GROUND FAULT CIRCUIT INTERRUPT	W/	WITH
		WCDMA	WIREBAND CODE DIVISION MULTIPLE ACCESS
GND	GROUND	WD	WOOD
GPS	GLOBAL POSITIONING SYSTEM	WR	WATER RESISTANT
GSM	GLOBAL SYSTEM FOR MOBILE COMMUNICATION	WT	WEIGHT
		XFMR	TRANSFORMER
HC	HOLLOW CORE	Ø	AT
HDW	HARDWARE	[CHANNEL
HTR	HEATER	⊕	CENTERLINE
HM	HOLLOW METAL	∠	ANGLE
HORIZ	HORIZONTAL	ℓ	PROPERTY LINE
HR	HOUR		
HT	HEIGHT		
HV	HIGH VOLTAGE		
ID	INSIDE DIMENSION		
INS	INSULATION		
INT	INTERIOR		
JT	JOINT		

SYMBOLS

	SECTION NUMBER	---	PROPERTY LINE
	SHEET NUMBER	○	WROUGHT IRON FENCE
	DETAIL NUMBER	□	WOOD FENCE
	SHEET NUMBER	X	CHAIN LINK FENCE
	CROSS SECTION REFERENCE	P	POWER SERVICE
	SHEET NUMBER	T	TELCO SERVICE
	CROSS SECTION REFERENCE	T/P	TELCO AND POWER SERVICES
	SHEET NUMBER	COAX	COAX CABLE
	CROSS SECTION REFERENCE	G	GROUNDING
	SHEET NUMBER	1	DOOR NUMBER
	KEY NOTE REFERENCE	101	AREA AND/OR ROOM NUMBER
		A	MECHANICAL UNIT
		2	

PAINTING SPECIFICATIONS

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

PAINTING SCOPE				
SURFACE TO BE PAINTED	COATING SYSTEM	PAINT DO NOT PAINT	N/A	
BTS UNIT				
ALL EQUIPMENT & CABINETS OTHER THAN THE BTS UNIT				
ANTENNA COVERS, TILT BRACKETS, MOUNTING BRACKETS AND ASSOCIATED HARDWARE, CABLE AND CABLE COVERS EXPOSED TO VIEW, EXPOSED CONDUIT AND HANGERS, ETC.				
FLASHING UNITS, METAL TRIM AND OTHER METAL SURFACES				
STUCCO, CONCRETE, CONCRETE BLOCK AND CEMENTIOUS TYPE FINISH SYSTEMS.				
PLYWOOD, LUMBER AND WOOD TRIM INCLUDING THE BACK SIDE OF ALL SCREEN WALLS				
DRYWALL				
CONCRETE POLES				
METAL POLES				

C. COATING SYSTEM SPECIFICATIONS

- DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1MIL DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
 - 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 MIL DTF PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER
- D. PAINT & PRIMER
- ANTENNAS
PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
- BTS CABINET
PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
- COAXIAL JUMPER CABLES
PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER E61W25 REDUCED 25%
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- RAW STEEL
PRIMER - KEM BOND HS B50WZ4, DMT ACRYLIC PRIMER
TOPCOAT - 2 COATS COROTHAN II POLYURETHANE B65W200/B60V2
- GALVANIZED METAL
ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)
- STAINLESS STEEL
PRIMER - OTM WASH PRIMER, B71Y1
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- PRE-PRIMED STEEL
TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, SSOWZ4
- ALUMINUM & COPPER
PRIMER - DTM WASH PRIMER, B71Y1
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- CONCRETE MASONRY
PRIMER - PRO MAR EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- CONCRETE STUCCO (EXISTING)
2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- STUCCO
PRIMER - PRO MAR MASONRY CONDITIONER B-46-W21000
TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS
- WOOD
PRIMER - A-100 EXTERIOR ALKYD WOOD PRIMER Y-24W20
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES
- FIELD CUTS/DAMAGE (PRIOR TO PRIME & PAINT)
FIRST & SECOND COAT - CUPRINOL CLEAR WOOD PRESERVATIVE #157-0356 ALL PENETRATIONS INTO FINISHED CLU-LAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT
- STEEL TOUCH UP
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT

T-Mobile
Stick Together

121 WEST ELECTION ROAD, SUITE 300
DRAPER, UTAH 84020

PROJECT INFORMATION:

(ANCHOR)
SL09036B
RIMROCK BUILDING
11716 SOUTH 700 EAST
DRAPER, UT 84020
SALT LAKE COUNTY

CURRENT ISSUE DATE:

12/31/24

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

Δ	12/18/24	90% CD	ZS
0	12/31/24	100% CD	ZS

PLANS PREPARED BY:

**NETWORK
CONNEX**

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:

**NETWORK
CONNEX**

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: CHK.: APV.:

ZS ML ML

LICENSURE:



SHEET TITLE:

ABBREVIATIONS,
SPECIFICATIONS AND
SYMBOLS

SHEET NUMBER: REVISION:

T-3

0

SL09036B

GENERAL NOTES

- ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND 2021 UTAH BUILDING CODE SPECIFICATIONS.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND CONDITIONS OF ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER IMMEDIATELY AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- STRUCTURAL DRAWINGS SHALL WORK IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
- DESIGN, MATERIALS, EQUIPMENT, AND PRODUCTS OTHER THAN THOSE DESCRIBED OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER.
- ALL CONDITIONS SHOWN OR NOTED AS EXISTING ARE BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS. NO WARRANTY IS IMPLIED TO THEIR ACCURACY. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS. SHOULD CONDITIONS BECOME APPARENT THAT DIFFER FROM THE CONDITIONS SHOWN, THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE PROFESSIONAL ENGINEER. PROFESSIONAL ENGINEER WILL THEN PREPARE ADDITIONAL DRAWINGS AS MAY BE NEEDED TO ACCOMMODATE THE CONDITIONS AS BROUGHT TO THEIR ATTENTION.
- MECHANICAL EQUIPMENT MUST BE FIRMLY ATTACHED TO THE STRUCTURE. ISOLATORS, FASTENERS, AND OTHER ELEMENTS PROVIDING STABILITY FOR MECHANICAL EQUIPMENT SHALL BE CAPABLE OF TRANSMITTING CODE REQUIRED LOADS, BUT IN NO EVENT LESS THAN A SHEAR LOAD EQUIVALENT TO 0.45 TIMES THE OPERATING WEIGHT OF THE EQUIPMENT.
- WATERPROOFING: SEE ARCHITECTURAL DRAWINGS.
- THE FOUNDATION DESIGN IS BASED ON 2021 UTAH BUILDING CODE TABLE 1806.2. ALLOWABLE SOIL BEARING VALUE IS 1500.
- THE NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS.
- TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

CONCRETE

- ALL POURED-IN-PLACE CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. UNLESS OTHERWISE NOTED, CEMENT TO BE TYPE-8 FROM TESTED STOCK PER ASTM C-150.
- CONCRETE FORM TOLERANCES SHALL BE WITHIN THE STANDARDS SET BY THE AMERICAN CONCRETE INSTITUTE.
- ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS OR OTHER INSERTS SHALL BE SECURED IN POSITION AND INSPECTED BY THE LOCAL BUILDING DEPARTMENT INSPECTOR PRIOR TO THE POURING OF ANY CONCRETE.
- NO PIPES OR DUCTS SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATIONS.
- FORM EXPOSED CORNERS OF COLUMNS, BEAMS, WALLS, ETC. WITH 3/4" CHAMFERS UNLESS DETAILED OTHERWISE.
- PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE.

REINFORCING STEEL

- REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 U.N.O.
- BARS SHALL BE CLEAN OF MUD, OIL, OR OTHER COATINGS LIKELY TO IMPAIR BONDING.
- ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO PLACING CONCRETE OR GROUTING MASONRY. ALL REINFORCING SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE/CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE IS NOT AN ACCEPTABLE MOISTURE/CORROSION PROTECTION.
- REINFORCING STEEL SHALL BE SPLICED AS SHOWN OR NOTED. SPLICES AT OTHER LOCATIONS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER. ALL VERTICAL WALL REINFORCEMENT SHALL BE CONTINUOUS BETWEEN SPLICE LOCATIONS SHOWN IN THE DRAWINGS.
- ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706.
- CLEAR CONCRETE COVERAGE IS AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH EXPOSED TO EARTH OR WEATHER	3"
#6 OR LARGER	2"
#5 AND SMALLER	1-1/2"
COLUMNS (TO TIES)	1-1/2"
BEAMS (TO STIRRUPS)	1-1/2"
FLAT SLABS	3/4"
WALLS	SEE SCHEDULE AND OR DETAILS
ALL OTHER PER LATEST EDITION OF ACI 318	

STRUCTURAL STEEL

- THE LABOR, MATERIALS AND EXECUTION REQUIRED FOR ALL CONCRETE WORK AS INDICATED ON THE DRAWINGS SHALL BE IN ACCORDANCE WITH THOSE APPLICABLE PORTIONS OF CHAPTER 22 OF THE LATEST ADOPTED EDITION OF THE APPLICABLE BUILDING CODE.
- STRUCTURAL STEEL NOT ENCASED IN CONCRETE SHALL BE SHOP PAINTED WITH TMEC99 METAL PRIMER OR APPROVED EQUIVALENT.
- UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE ASTM A307. THIS INCLUDES EXPANSION/ADHESIVE ANCHORS. BOLTED CONNECTIONS SHALL CONFORM TO AISC SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- UNLESS NOTED OTHERWISE ALL WELDS PER THE LATEST EDITIONS OF THE AWS STANDARDS SHALL CONFORM TO AISC SPECIFICATIONS. WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. THESE DRAWINGS DO NOT DISTINGUISH BETWEEN SHOP AND FIELD WELDS.
- CONTRACTOR IS PERMITTED TO CUT AND WELD ANTENNA SUPPORT ASSEMBLY ARMS AS NECESSARY TO MEET THE LENGTH REQUIREMENTS IN THE FIELD. WELDS SHALL CONSIST OF A 3/16" FILLET ALL THE WAY AROUND FOR 1/4" THICK STEEL OR LESS AND 3/8" FILLET WELD FOR STEEL 1/2" THICK OR LESS. CONTRACTOR SHALL RESTORE CORROSION BARRIER WITH AN APPROVED PAINT IN ACCORDANCE WITH BS 729-1971 AND PREN 1029."

STRUCTURAL NOTES (CONTINUATION)

- MATERIAL CONFORMANCE:
A. WIDE FLANGE STEEL SECTIONS PER ASTM A572 OR A992 WITH Fy = 50 KSI
B. PIPES SECTIONS PER ASTM A501 WITH Fy = 36 KSI
C. TUBE STEEL SECTIONS PER ASTM A500 WITH Fy = 46 KSI
D. COLD FORMED STEEL PER ASTM A653 WITH Fy = 50 KSI
E. WELDING ELECTRODES PER AWS CODE, E70XX UNLESS NOTED OTHERWISE ON PLANS
F. ALL OTHER MISCELLANEOUS STEEL SHALL BE ASTM A36 WITH Fy = 36 KSI UNLESS NOTED OTHERWISE ON THE PLANS

ADHESIVE / MECHANICAL ANCHORS

- ALL POST-INSTALLED ANCHORS SHALL BE PER SIMPSON OR HILTI MANUFACTURING AS INDICATED ON THE PLANS.
- MECHANICAL ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING APPROVAL CODES:
FOR HILTI KWIK BOLT T22 ANCHORS, INSTALLATION SHALL COMPLY WITH ICC-ES ESR-4561 FOR ANCHORAGE TO MASONRY, FOR HILTI KWIK BOLT ANCHORS, INSTALLATION SHALL COMPLY WITH ICC-ES ESR-4266 FOR ANCHORAGE TO CONCRETE.
ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING APPROVAL CODES:
FOR SIMPSON SET-XP EPOXY ANCHORS, INSTALLATION SHALL BE IN ACCORDANCE WITH ICC-ES ESR-2508 AND LARR 25744 FOR ANCHORAGE TO CONCRETE, LAPMO UES ER-265 AND LARR 25965 FOR ANCHORAGE TO MASONRY.
FOR HILTI HIT-HY 200 EPOXY ANCHORS, INSTALLATION SHALL BE IN ACCORDANCE WITH ICC ESR-3187 AND LARR 25964 FOR ANCHORAGE TO CONCRETE.
- ALLOW A MINIMUM OF 72 HOURS AFTER NEW CONCRETE IS PLACED PRIOR TO LOCATING MECHANICAL OR ADHESIVE ANCHORS. ALL MECHANICAL/ADHESIVE ANCHORS REQUIRE SPECIAL STRUCTURAL INSPECTION PER THE BUILDING CODE.

MASONRY

- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, MEDIUM WEIGHT, GRADE S WITH Fm = 1500 PSI.
- MORTAR TYPE S, Fm = 1800 PSI
- PROVIDE EXPANSION JOINTS IN MASONRY WALLS EVERY 24'-0" O.C.
- VERTICAL REINFORCING SHALL BE 1 #5 VERTICAL IN CENTER OF GROUTED CELL CONTINUOUS FULL HEIGHT OF WALL AT ALL CORNERS, INTERSECTIONS, WALL ENDS, BEAM BEARINGS, JAMBS, EACH SIDE OF CONTROL JOINTS AND AT INTERVALS NOT TO EXCEED 48" O.C. UNLESS NOTED OTHERWISE ON THE PLANS. TIE AT 8'-0" O.C. VERTICALLY WITH SINGLE WIRE LOOP TIE BY AA WIRE PRODUCTS COMPANY OR EQUIVALENT. DOWEL VERTICAL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH VERTICAL REINFORCING.
- HORIZONTAL REINFORCING SHALL CONSIST OF 2 #5 CONTINUOUS AT ELEVATED FRAMING ASSEMBLIES, 1 #5 CONTINUOUS AT TOP OF PARAPETS AND FREESTANDING WALLS. PLACE THESE BARS CONTINUOUS THROUGH CONTROL JOINTS. INSTALL BENT BARS TO MATCH HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS TO MAINTAIN BOND BEAM CONTINUITY. STANDARD WEIGHT (NO. 9 GAGE WIRE) DUR-O-WALL OR DUR-O-WIRE (OR EQUIVALENT) LADDER TYPE JOINT REINFORCING AT 16" O.C. LAP LADDER TYPE JOINT REINFORCING 12" MINIMUM.
- LAP SPLICES FOR VERTICAL AND HORIZONTAL REINFORCING SHALL BE PER TYPICAL DETAILS. DO NOT SPLICE WITHIN 8'-0" OF CONTROL JOINTS.

WOOD

- IN STUD WALLS, UNLESS NOTED OTHERWISE, INSTALL DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTIONS AND AT ISOLATED BEARING POINTS OF FRAMING MEMBERS ABOVE. EVERY OTHER STUD OF WOOD FRAME BEARING WALL SHALL HAVE A SIMPSON H3 ANCHOR TOP AND BOTTOM, EXCEPT AT THOSE WALLS WHERE PLYWOOD SHEATHING IS NAILED DIRECTLY TO THE TOP AND BOTTOM PLATES. PROVIDE 2X SOLID BLOCKING AT MID-HEIGHT OF BEARING STUD WALLS.
- SAWN LUMBER FRAMING SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WMPA OR THE WCLB. ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY AND SHALL HAVE MINIMUM PROPERTIES WHICH MEET OR EXCEED THE FOLLOWING WOOD TYPES:

MEMBER	WOOD TYPE
JOISTS	
2X4 (PANELIZED)	D.F. SELECT
2X4	D.F. #2
2X6 OR LARGER	D.F. #2
BEAMS	
WIDTH OF 4" OR LESS	D.F. #1
WIDTH GREATER THAN 4"	D.F. SELECT
LEDGERS AND TOP PLATES	D.F.#2
STUDS	
2X4	D.F. STD
2X6 OR LARGER	D.F. #2
POSTS	
4X4	D.F. #2
6X6 OR LARGER	D.F. SELECT

- GLU-LAMINATED BEAMS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2,400 PSI, Fy = 240 PSI, E = 1,800,000 PSI. BEAMS CANTILEVERING OVER SUPPORTS SHALL HAVE THE SPECIFIED MINIMUM PROPERTIES TOP AND BOTTOM. ALL BEAMS SHALL BE FABRICATED USING WATERPROOF GLUE. FABRICATION AND HANDLING PER LATEST AITC AND WCLA STANDARDS. BEAMS TO BEAR GRADE STAMP AND AITC STAMP AND CERTIFICATE. CAMBER AS SHOWN ON DRAWINGS. IN THE ABSENCE OF CAMBER SHOWN ON THE PLAN, PROVIDE STANDARD CAMBER. STANDARD CAMBER IS DEFINED AS A RADIUS OF CURVATURE EQUAL TO 2500 FEET.
- PLYWOOD SHALL BE APA "CDX" RATED SHEATHING OR BETTER AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY. LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. (ON ROOFS WHERE PLYWOOD IS LAYED UP WITH FACE GRAIN PARALLEL TO SUPPORTS, USE A MINIMUM OF 5-PLY PLYWOOD). STAGGER JOINTS. ALL NAILING SHALL BE COMMON NAILS UNLESS NOTED OTHERWISE. WHERE SCREWS ARE INDICATED FOR WOOD TO WOOD ATTACHMENTS, USE WOOD SCREWS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/INDEX RATIO AND SHALL BE ATTACHED AS FOLLOWS UNLESS NOTED OTHERWISE.

USE	THICKNESS	SPAN/INDEX RATIO	ATTACHMENT EDGE	INTERMEDIATE
ROOF	5/8"	32/16	10d@6" O.C.	10d@12" O.C.
FLOOR	3/4"	40/20	10d@6" O.C.	10d@12" O.C.
FLOOR	3/4"	40/20	SCREWS@6" O.C.	SCREWS@12" O.C.
SHEAR WALL	3/8"	24/0	8d@6" O.C.	8d@12" O.C.

FIBER REINFORCED PLASTIC (FRP)

- ALL CONNECTIONS SHALL BE 3/8" DIAMETER FIBER BOLTS, U.N.O. (PULTEX 1625 OR EQUIVALENT) AND ALL HOLES UNLESS NOTED OTHERWISE SHALL BE PUNCHED OR DRILLED 1/8" LARGER IN DIAMETER THAN THE BOLTS THEY RECEIVE.
- ALL CONTACT SURFACES OF FRP STRUCTURAL SHAPES AND/OR HYBRID POLYMER COMPOSITE ARCHITECTURAL PANELS SHALL BE BONDED PER MANUFACTURER'S RECOMMENDATIONS. USE 3/8" FRP SCREEN SKIN AND EPOXY GLUE SKIN TO FRAMING MEMBERS WITH 3/8" DIAMETER FIBER BOLTS AT 24" O.C. EIFS SHALL MATCH BUILDING AND BE ATTACHED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ALL LIQUID NAILS MULTI-PURPOSE CONSTRUCTION ADHESIVE SHALL BE PER MACCO OR APPROVED EQUIVALENT. BONDING SURFACE SHALL BE CAREFULLY PREPARED TO ENSURE A GOOD ADHESIVE BOND BY WIPING THE SURFACE WITH A STERILIZING SOLVENT, REMOVING SURFACE GLOSS BY LIGHT SANDING, APPLY ADHESIVE, AND FASTEN OR CLAMP BONDING SURFACES UNTIL CURED.
- ALL EXPOSED JOINTS AT ARCHITECTURAL PANELS AND SHAPES (EDGES, CORNERS, ETC.) SHALL BE CAULKED WITH AN APPROVED FLEXIBLE POLYURETHANE SEALANT/CAULK.
- ALL OPEN ENDS OR GAPS OF SCREEN FRAMING WHERE WATER SUSCEPTIBLE TO WATER INFILTRATION SHALL BE WEATHER CAPPED OR SEALED BY THE GENERAL CONTRACTOR.
- ALL FRP MATERIAL TO BE LOCATED IN THE CITY OF LOS ANGELES SHALL CONFORM TO LARR 25536.
- ALL FRP MATERIAL SHALL CONFORM TO ASTM D-638, 695, 790, 2344, 732, ADDITIONALLY WITH BOLTS CONFORMING TO ASTM B-565. ALL FRP MATERIAL SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES FOR ALLOWABLE STRESS DESIGN (BASED ON A SAFETY FACTOR OF 7). VALUES ARE REPRESENTED IN KSI.

MECHANICAL PROPERTY	LENGTHWISE	CROSSWISE
TENSILE STRESS Ft	4.3	1.0
COMPRESSIVE STRESS Fc	4.3	2.1
FLEXURAL STRESS Fy	4.3	1.4
MODULUS OF ELASTICITY E	2.8x10 ⁶	---
SHEAR Fv	0.6	---
BOLT SHEAR	1.2	---

SPECIAL STRUCTURAL INSPECTION - STRUCTURAL ONLY

- SPECIAL STRUCTURAL INSPECTION IS TO BE PROVIDED FOR THE ITEMS LISTED BELOW IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING JURISDICTION. SPECIAL STRUCTURAL INSPECTION IS REQUIRED FOR THE FOLLOWING:

VERIFICATION AND INSPECTION	INSPECTION TYPE	REFERENCE STANDARD
	CONTINUOUS	PERIODIC
STEEL CONSTRUCTION		
WELDING		
AT FLOOR AND ROOF DECK WELDS		AWS D1.3
FOR REINFORCING STEEL FOR STRUCTURAL STEEL		AWS D1.4, ACI 319
HIGH STRENGTH BOLTING		AISC 360-16, 2020 RCSC
CONCRETE CONSTRUCTION		
REINFORCING STEEL		ACI 319
POST-INSTALLED ANCHORS		ACI 319
USE OF REQUIRED DESIGN MIX		ACI 319
MASONRY CONSTRUCTION		TMS 402 AND 602/ ACI 530
REINFORCING STEEL GROUT PLACEMENT		
CLEANOUTS PRIOR TO CLOSURE		
POST-INSTALLED ANCHORS		

- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN THAT IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS AND ALL DEVIATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO PROCEEDING WITH THE WORK. ALL REQUESTS FOR DEVIATIONS SHALL BE INITIATED BY THE CONTRACTOR VIA A WRITTEN REQUEST FOR INFORMATION.
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. INSPECTOR IS NOT AUTHORIZED TO OPERATE CONTRACTOR'S EQUIPMENT.
- FOR ADDITIONAL INFORMATION ON SPECIAL STRUCTURAL INSPECTIONS, CONTACT THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION.



121 WEST ELECTION ROAD, SUITE 300
DRAPER, UTAH 84020

PROJECT INFORMATION:

(ANCHOR)
SL09036B
RIMROCK BUILDING
11716 SOUTH 700 EAST
DRAPER, UT 84020
SALT LAKE COUNTY

CURRENT ISSUE DATE:

12/31/24

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
1	12/18/24	90% CD	ZS
0	12/31/24	100% CD	ZS

PLANS PREPARED BY:

NETWORK CONNEX
655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:

NETWORK CONNEX
655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: CHK.: APV.:

ZS	ML	ML
----	----	----

LICENSURE:



SHEET TITLE:

GENERAL STRUCTURAL NOTES

SHEET NUMBER: REVISION:

T-4

0

SL09036B



OVERALL SITE PLAN

SCALE: 1"=20'-0"
 0 5' 10' 20' 40' 1

T-Mobile
 Stick Together

121 WEST ELECTION ROAD, SUITE 300
 DRAPER, UTAH 84020

PROJECT INFORMATION:

(ANCHOR)
 SL09036B
 RIMROCK BUILDING
 11716 SOUTH 700 EAST
 DRAPER, UT 84020
 SALT LAKE COUNTY

CURRENT ISSUE DATE:

12/31/24

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
1	12/18/24	90% CD	ZS
0	12/31/24	100% CD	ZS

PLANS PREPARED BY:

**NETWORK
 CONNEX**

655 N. CENTRAL AVE., #1520
 GLENDALE, CA 91203
 OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:

**NETWORK
 CONNEX**

655 N. CENTRAL AVE., #1520
 GLENDALE, CA 91203
 OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: CHK.: APV.:

ZS ML ML

LICENSURE:



SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER: REVISION:

A-1 0
 SL09036B

NOTE:
 THESE DRAWINGS HAVE BEEN CREATED BY INFORMATION GATHERED FROM (E) AS-BUILTS PROVIDED BY T-MOBILE AND WITHOUT A SURVEY. PLEASE VERIFY IN FIELD ALL DIMENSIONS, LENGTHS, PROPERTY LINES AND CONDUIT RUNS.

T-Mobile
 Stick Together[®]
 121 WEST ELECTION ROAD, SUITE 300
 DRAPER, UTAH 84020

PROJECT INFORMATION:
 (ANCHOR)
 SL09036B
 RIMROCK BUILDING
 11716 SOUTH 700 EAST
 DRAPER, UT 84020
 SALT LAKE COUNTY

CURRENT ISSUE DATE:
 12/31/24

ISSUED FOR:
 CONSTRUCTION

REV.:	DATE:	DESCRIPTION:	BY:
△ A	12/18/24	90% CD	ZS
△ 0	12/31/24	100% CD	ZS

PLANS PREPARED BY:
NETWORK CONNEX
 655 N. CENTRAL AVE., #1520
 GLENDALE, CA 91203
 OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:
NETWORK CONNEX
 655 N. CENTRAL AVE., #1520
 GLENDALE, CA 91203
 OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: ZS CHK.: ML APV.: ML

LICENSURE:


SHEET TITLE:
 ENLARGED ROOF PLAN

SHEET NUMBER: **A-1.1** REVISION: **0**
 SL09036B

T-MOBILE EQUIPMENT MODIFICATIONS AT SECTORS 'A', 'B', AND 'C', LOCATED ON THE UPPER ROOF. SEE ANTENNA LAYOUT PLANS.

1
A-2 1
A-3

SECTOR 'C'
290°

SECTOR 'A'
60°

T-MOBILE FEEDLINE ROUTE ON (E) AND (N) NON-PENETRATING SLEEPERS:
 RETAIN (1) EXISTING 6x12 HCS 6AWG 50M
 RETAIN (2) EXISTING 6x12 HCS 6AWG 60M
 ADD (1) NEW 6x24 HYBRID TRUNK 4AWG 50M
 ADD (2) NEW 6x24 HYBRID TRUNK 4AWG 60M
 PROPOSED ROUTE TO FOLLOW EXISTING ROUTE

T-MOBILE EQUIPMENT MODIFICATIONS ON THE LOWER ROOF LEVEL. SEE EQUIPMENT LAYOUT PLANS

1,2
A-3

SECTOR 'B'
170°



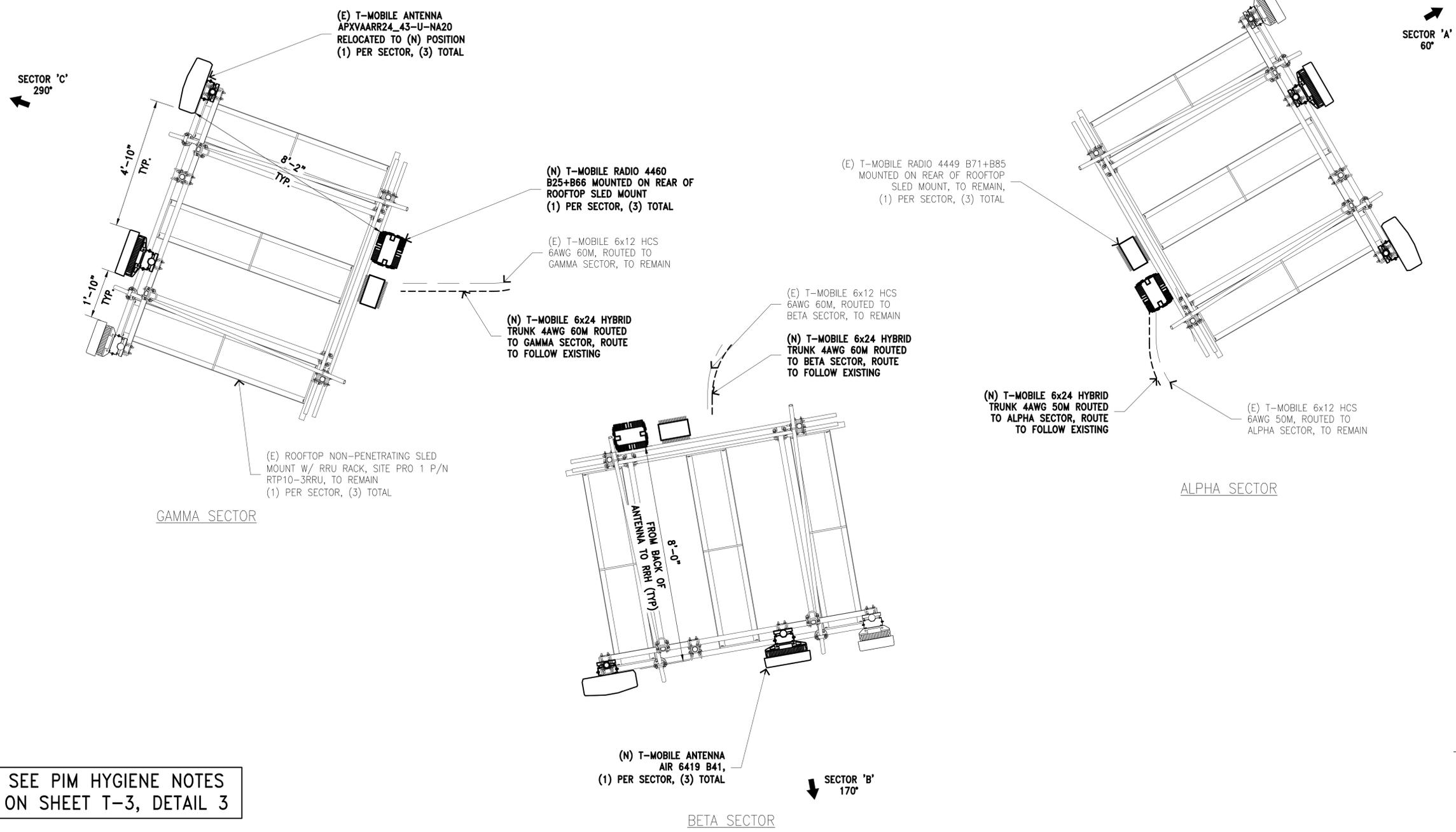
ENLARGED ROOF PLAN

SCALE: 1/4"=1'-0"
 0 1' 2' 4' 8'

1

NEW ANTENNA SCHEDULE														
SECTOR	AZIMUTH	RAD CENTER	ANTENNA			RRU/TMA/SMART BIAS T		COAX JUMPER	FIBER JUMPER	COAX CABLE		HYBRID CABLE		
			MODEL NO.	SIZE	QTY.	TYPE	QTY.	QTY.	QTY.	SIZE & TYPE	QTY.	SIZE & TYPE	QTY.	
SECTOR "A"	60°	45°-0"	AIR 3246 B66	58.1"L X 15.7"W X 9.4"D	1	-	-	-	-	-	-	6x12 HCS 6AWG 50M	1	
			AIR 6419 B41	36.3"L X 20.9"W X 9.0"D	1	-	-	-	-	-	-	-	6x24 HYBRID 4AWG 50M	1
			APXVAARR24_43-U-NA20	95.9"L X 24"W X 8.7"D	1	4449 B71+B85	1	4	-	-	-	-	-	-
SECTOR "B"	170°	45°-0"	AIR 3246 B66	58.1"L X 15.7"W X 9.4"D	1	-	-	-	-	-	-	6x12 HCS 6AWG 60M	1	
			AIR 6419 B41	36.3"L X 20.9"W X 9.0"D	1	-	-	-	-	-	-	-	6x24 HYBRID 4AWG 60M	1
			APXVAARR24_43-U-NA20	95.9"L X 24"W X 8.7"D	1	4449 B71+B85	1	4	-	-	-	-	-	-
SECTOR "C"	290°	45°-0"	AIR 3246 B66	58.1"L X 15.7"W X 9.4"D	1	-	-	-	-	-	-	6x12 HCS 6AWG 60M	1	
			AIR 6419 B41	36.3"L X 20.9"W X 9.0"D	1	-	-	-	-	-	-	-	6x24 HYBRID 4AWG 60M	1
			APXVAARR24_43-U-NA20	95.9"L X 24"W X 8.7"D	1	4449 B71+B85	1	4	-	-	-	-	-	-
TOTAL					9		6	24	-	-		6		

BALLAST NOTE:
 PER MOUNT ANALYSIS BY NETWORK CONNEX, DATED 12/18/2024, NO CHANGE TO EXISTING BALLAST IS REQUIRED AND MS-I-6015 FRP GRATING BALLAST IS TO REMAIN IN EACH SECTOR.



SEE PIM HYGIENE NOTES ON SHEET T-3, DETAIL 3

NEW ANTENNA LAYOUT PLAN

SCALE: 1/2"=1'-0" 1



PROJECT INFORMATION:
 (ANCHOR)
 SL09036B
 RIMROCK BUILDING
 11716 SOUTH 700 EAST
 DRAPER, UT 84020
 SALT LAKE COUNTY

CURRENT ISSUE DATE:
 12/31/24

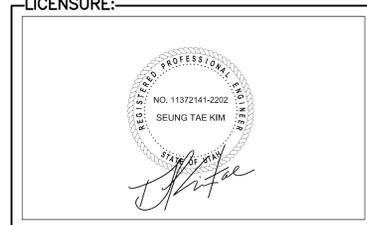
ISSUED FOR:
CONSTRUCTION

REV.	DATE	DESCRIPTION	BY
A	12/18/24	90% CD	ZS
0	12/31/24	100% CD	ZS

PLANS PREPARED BY:
NETWORK CONNEX
 655 N. CENTRAL AVE., #1520
 GLENDALE, CA 91203
 OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:
NETWORK CONNEX
 655 N. CENTRAL AVE., #1520
 GLENDALE, CA 91203
 OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: ZS CHK.: ML APV.: ML



SHEET TITLE:
 NEW ANTENNA LAYOUT PLAN

SHEET NUMBER: **A-3** REVISION: **0**
 SL09036B

PROJECT INFORMATION:

(ANCHOR)
SL09036B
RIMROCK BUILDING
11716 SOUTH 700 EAST
DRAPER, UT 84020
SALT LAKE COUNTY

CURRENT ISSUE DATE:

12/31/24

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
1	12/18/24	90% CD	ZS
0	12/31/24	100% CD	ZS

PLANS PREPARED BY:

**NETWORK
CONNEX**

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:

**NETWORK
CONNEX**

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: CHK.: APV.:

ZS ML ML

LICENSURE:



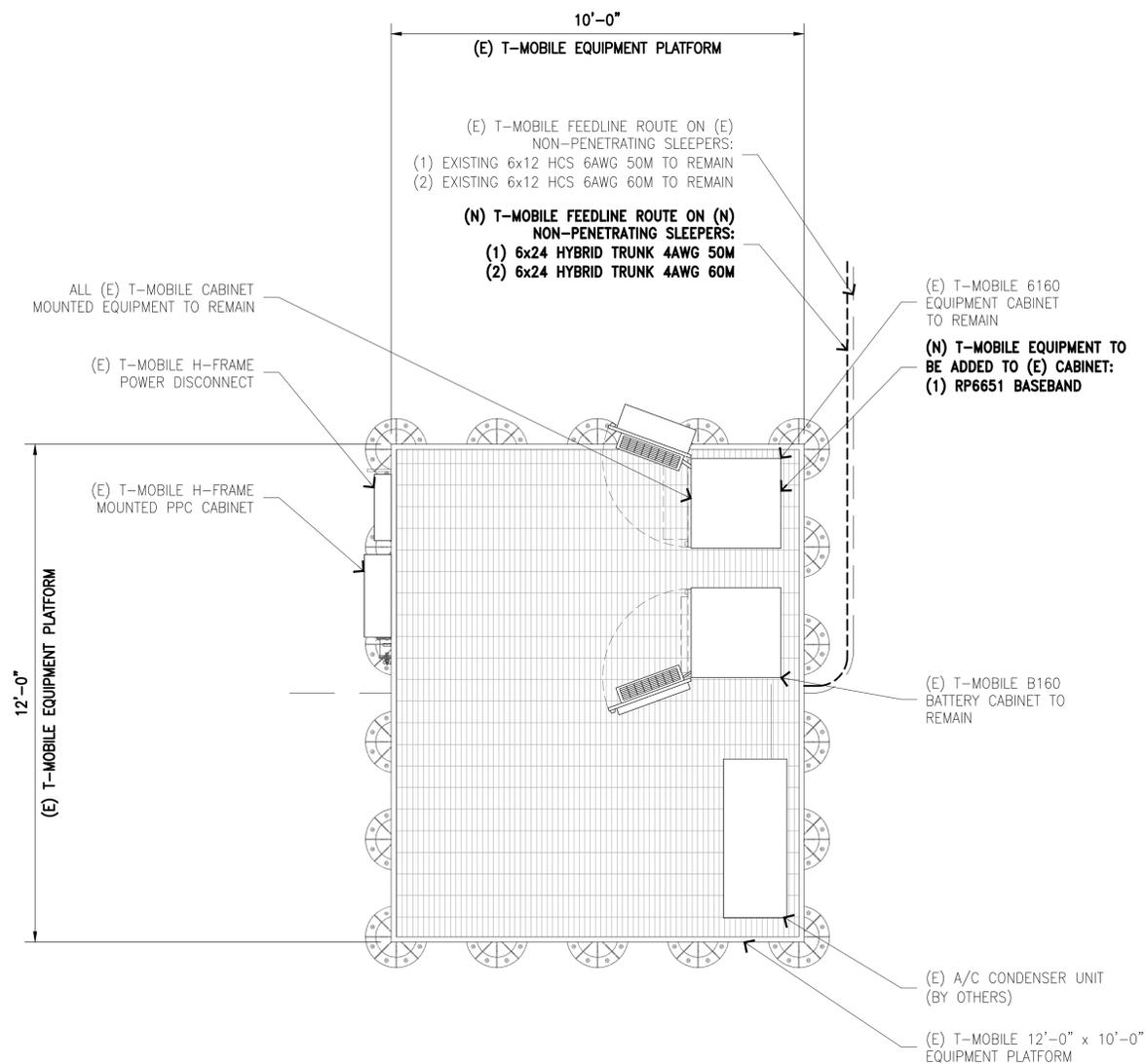
SHEET TITLE:

EQUIPMENT
LAYOUT PLANS

SHEET NUMBER: REVISION:

A-4 0

SL09036B



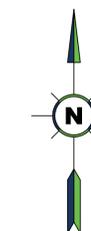
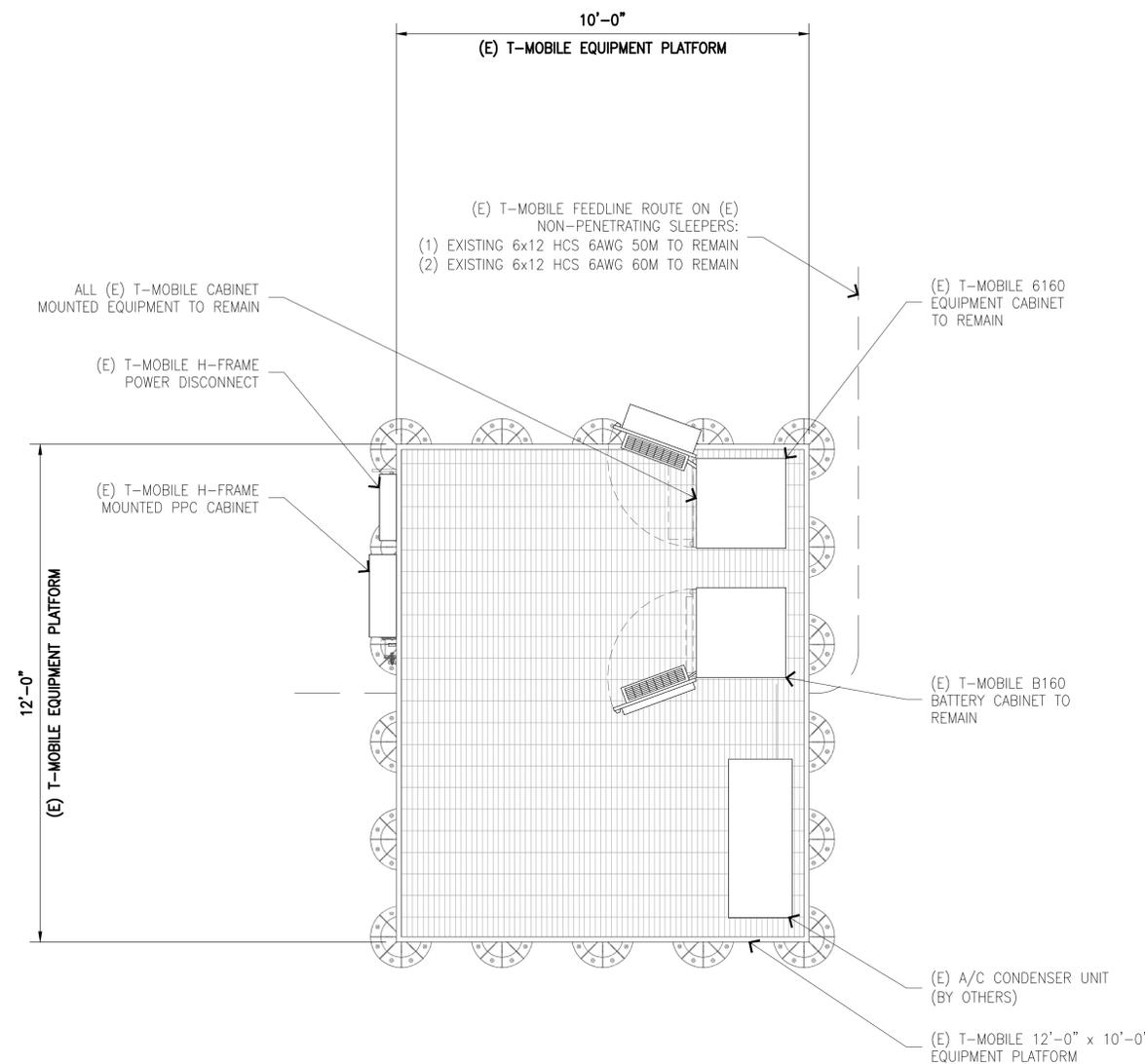
NOTE:
THESE DRAWINGS HAVE BEEN CREATED BY INFORMATION GATHERED FROM (E) AS-BUILTS PROVIDED BY T-MOBILE AND WITHOUT A SURVEY. PLEASE VERIFY IN FIELD ALL DIMENSIONS, LENGTHS, PROPERTY LINES AND CONDUIT RUNS.



SCALE: 1/2"=1'-0"

PROPOSED EQUIPMENT LAYOUT PLAN

2



SCALE: 1/2"=1'-0"

EXISTING EQUIPMENT LAYOUT PLAN

1

PROJECT INFORMATION:

(ANCHOR)
SL09036B
RIMROCK BUILDING
11716 SOUTH 700 EAST
DRAPER, UT 84020
SALT LAKE COUNTY

CURRENT ISSUE DATE:

12/31/24

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
A	12/18/24	90% CD	ZS
0	12/31/24	100% CD	ZS

PLANS PREPARED BY:

**NETWORK
CONNEX**

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:

**NETWORK
CONNEX**

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: CHK.: APV.:

ZS ML ML

LICENSURE:



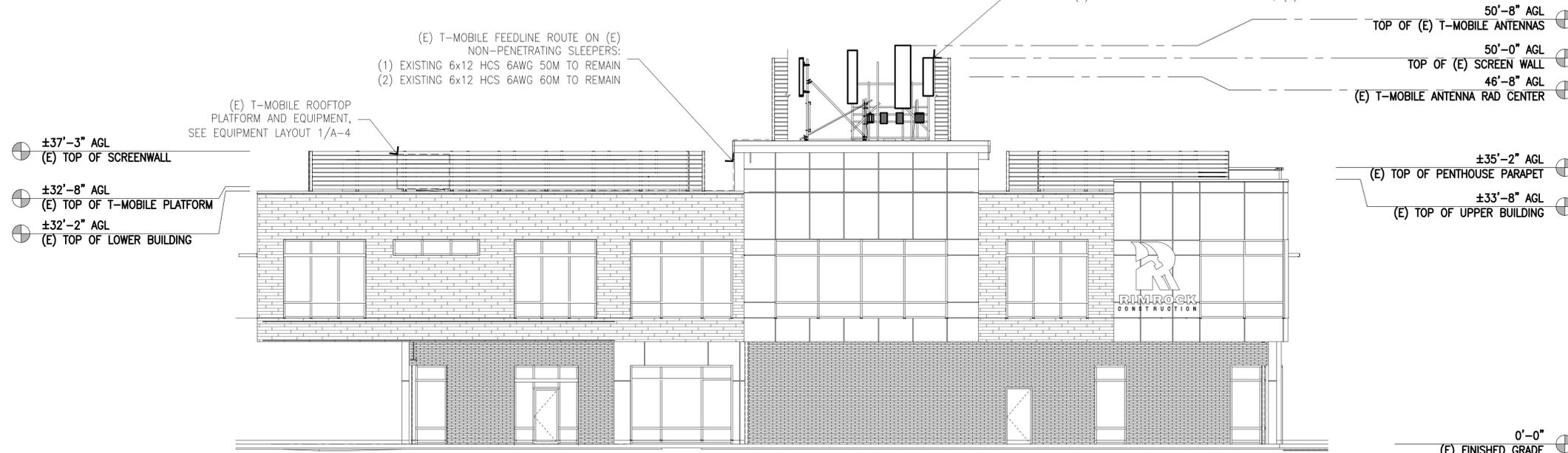
SHEET TITLE:

SOUTH ELEVATIONS

SHEET NUMBER: REVISION:

A-5 0
SL09036B

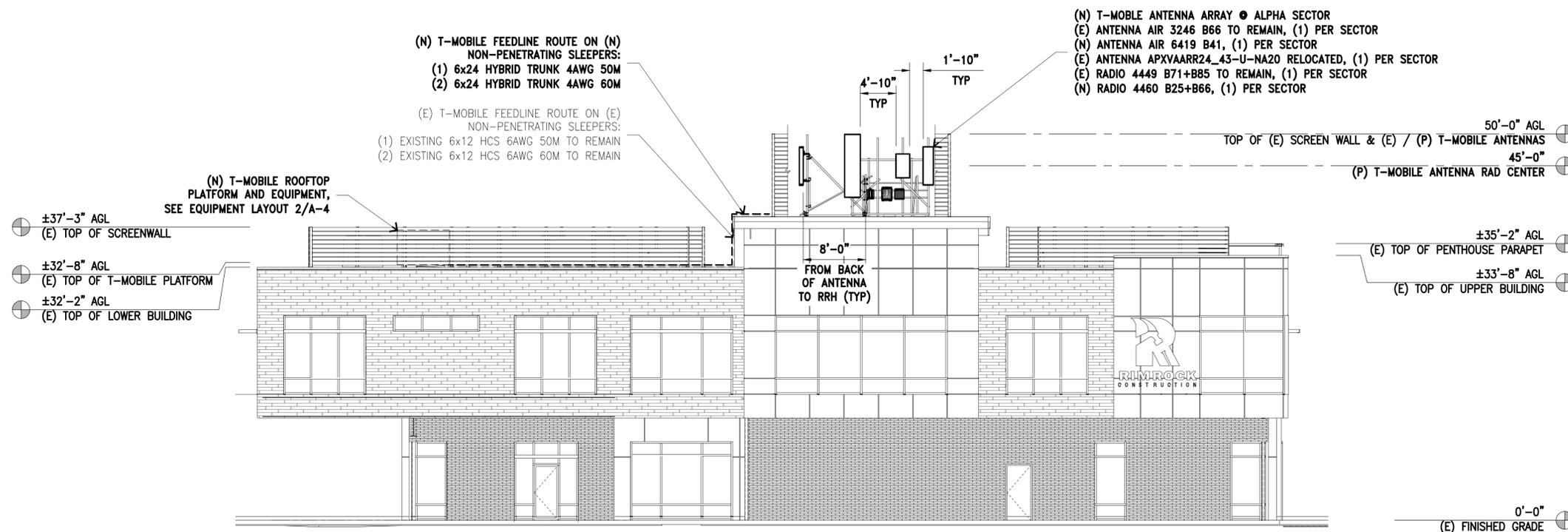
- (E) T-MOBILE ANTENNA ARRAY @ ALPHA SECTOR
- (E) ANTENNA AIR 3246 B66 TO REMAIN, (1) PER SECTOR
- (E) ANTENNA APXVAARR24_43-U-NA20 TO BE RELOCATED TO (N) POSITION, (1) PER SECTOR
- (E) ANTENNA CMA-BDHH/6521/E0-6 TO BE REMOVED, (1) PER SECTOR
- (E) RADIO 4449 B71+B85 TO REMAIN, (1) PER SECTOR
- (E) RADIO 4415 B66A TO BE REMOVED, (1) PER SECTOR
- (E) RADIO 4415 B25 TO BE REMOVED, (1) PER SECTOR



EXISTING EAST ELEVATION

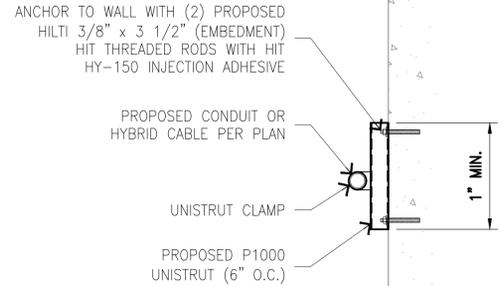
SCALE: 1/2"=1'-0" 0 1' 2' 4' 1

- (N) T-MOBILE ANTENNA ARRAY @ ALPHA SECTOR
- (E) ANTENNA AIR 3246 B66 TO REMAIN, (1) PER SECTOR
- (N) ANTENNA AIR 6419 B41, (1) PER SECTOR
- (E) ANTENNA APXVAARR24_43-U-NA20 RELOCATED, (1) PER SECTOR
- (E) RADIO 4449 B71+B85 TO REMAIN, (1) PER SECTOR
- (N) RADIO 4460 B25+B66, (1) PER SECTOR



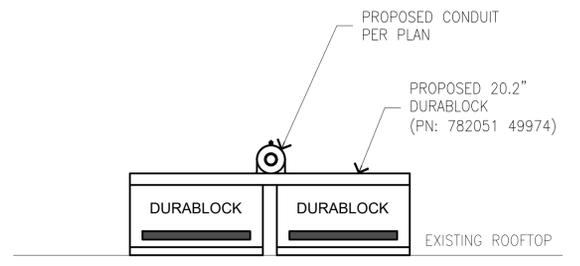
PROPOSED EAST ELEVATION

SCALE: 1/2"=1'-0" 0 1' 2' 4' 2

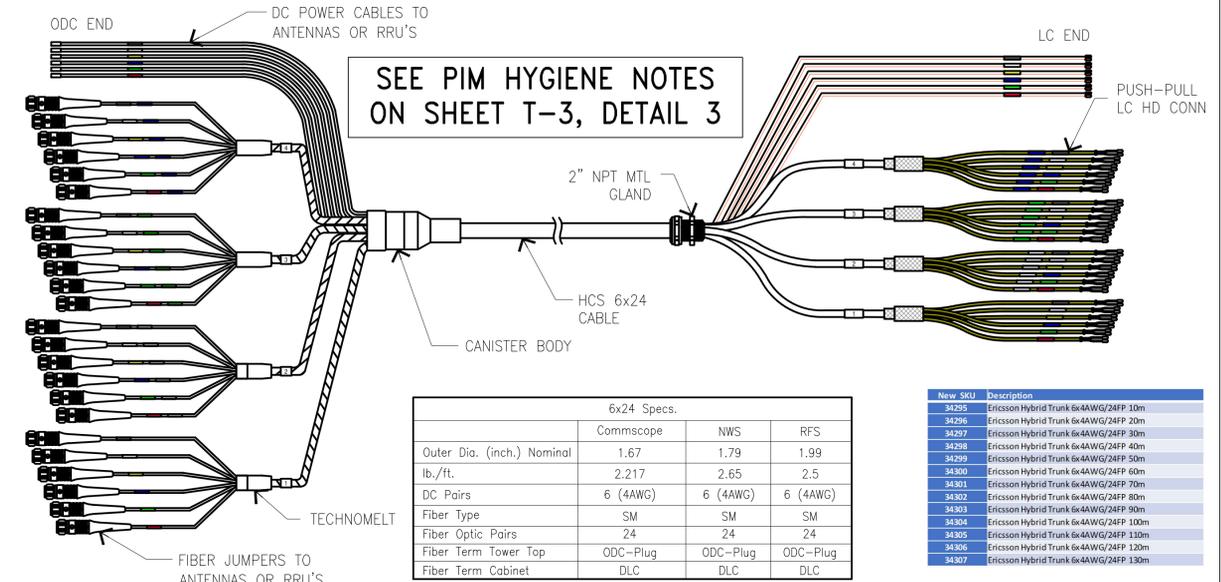


- NOTES:
1. ALL SUPPORT/ANCHOR HARDWARE TO BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
 2. PAINT CONDUIT, HARDWARE, AND UNISTRUT TO MATCH BUILDING EXTERIOR.

CONDUIT WALL MOUNT DETAIL SCALE: N.T.S. 6



DURABLOCK SLEEPER DETAIL SCALE: N.T.S. 5



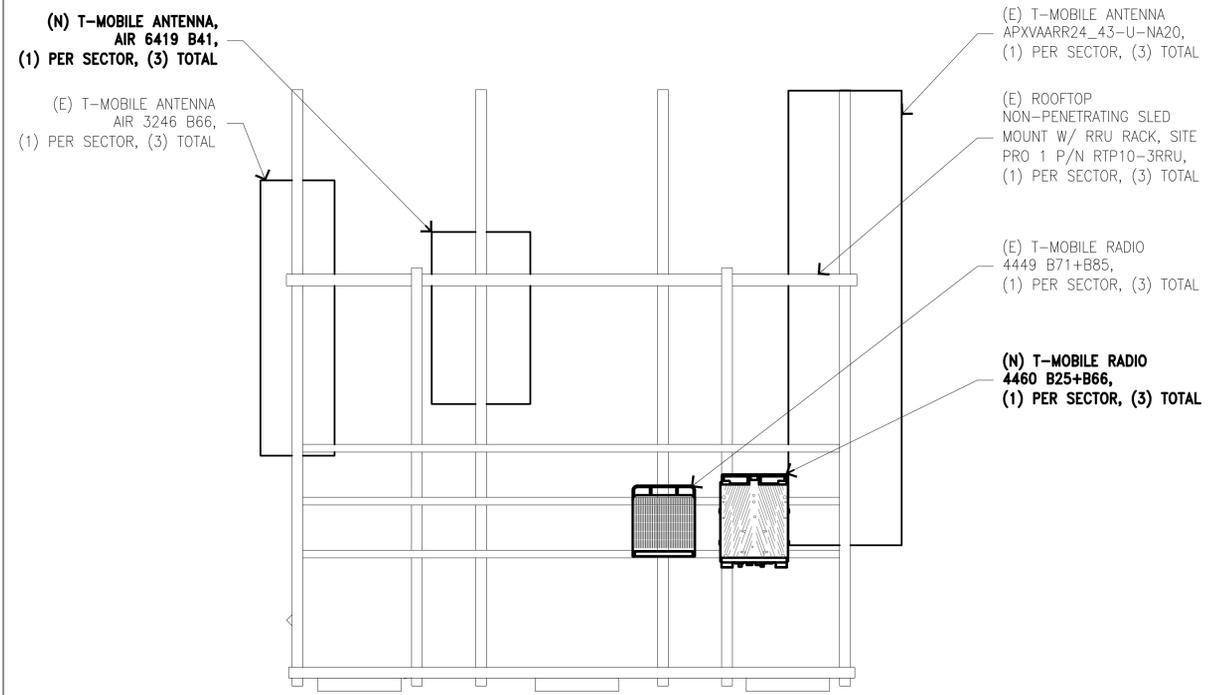
SEE PIM HYGIENE NOTES ON SHEET T-3, DETAIL 3

6x24 Specs.	Commscope		
	NWS	RFS	
Outer Dia. (inch.) Nominal	1.67	1.79	1.99
lb./ft.	2.217	2.65	2.5
DC Pairs	6 (4AWG)	6 (4AWG)	6 (4AWG)
Fiber Type	SM	SM	SM
Fiber Optic Pairs	24	24	24
Fiber Term Tower Top	ODC-Plug	ODC-Plug	ODC-Plug
Fiber Term Cabinet	DLC	DLC	DLC

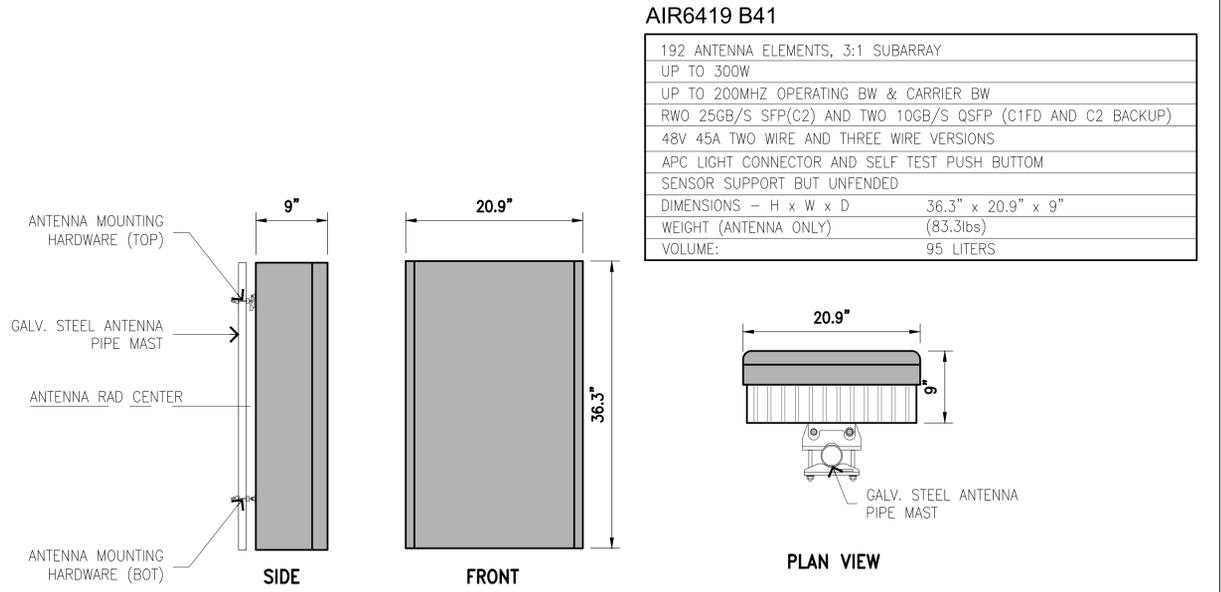
New SKU	Description
34295	Ericsson Hybrid Trunk 6x4AWG/24FP 10m
34296	Ericsson Hybrid Trunk 6x4AWG/24FP 20m
34297	Ericsson Hybrid Trunk 6x4AWG/24FP 30m
34298	Ericsson Hybrid Trunk 6x4AWG/24FP 40m
34299	Ericsson Hybrid Trunk 6x4AWG/24FP 50m
34300	Ericsson Hybrid Trunk 6x4AWG/24FP 60m
34301	Ericsson Hybrid Trunk 6x4AWG/24FP 70m
34302	Ericsson Hybrid Trunk 6x4AWG/24FP 80m
34303	Ericsson Hybrid Trunk 6x4AWG/24FP 90m
34304	Ericsson Hybrid Trunk 6x4AWG/24FP 100m
34305	Ericsson Hybrid Trunk 6x4AWG/24FP 110m
34306	Ericsson Hybrid Trunk 6x4AWG/24FP 120m
34307	Ericsson Hybrid Trunk 6x4AWG/24FP 130m

HCS 6x24 4AWG CABLE SPECIFICATIONS SCALE: N.T.S. 1

SEE PIM HYGIENE NOTES ON SHEET T-3, DETAIL 3



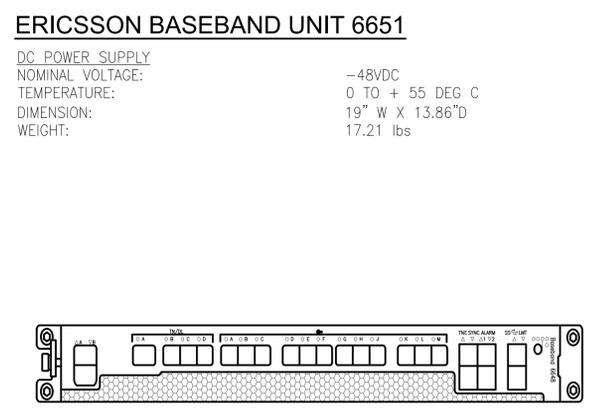
TYPICAL ANTENNA MOUNTING DETAIL SCALE: N.T.S. 7



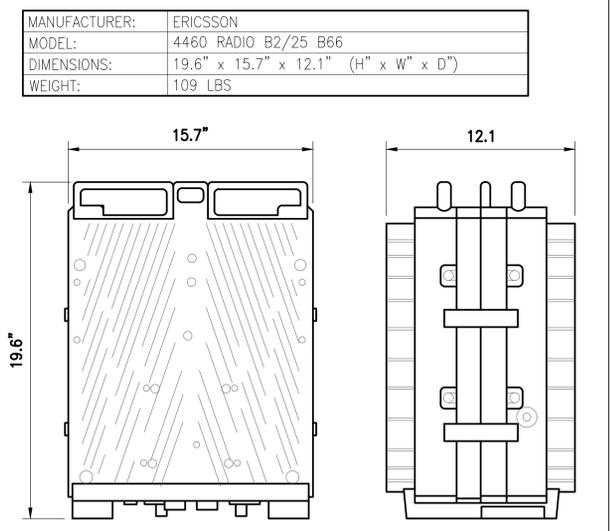
AIR6419 B41

192 ANTENNA ELEMENTS, 3:1 SUBARRAY
UP TO 300W
UP TO 200MHZ OPERATING BW & CARRIER BW
RWO 25GB/S SFP(C2) AND TWO 10GB/S QSFP (C1FD AND C2 BACKUP)
48V 45A TWO WIRE AND THREE WIRE VERSIONS
APC LIGHT CONNECTOR AND SELF TEST PUSH BUTTOM
SENSOR SUPPORT BUT UNFENDED
DIMENSIONS - H x W x D 36.3" x 20.9" x 9"
WEIGHT (ANTENNA ONLY) (83.3lbs)
VOLUME: 95 LITERS

AIR6419 B41 SPECIFICATIONS SCALE: N.T.S. 2



ERICSSON BASEBAND UNIT 6651 SCALE: N.T.S. 4



RADIO 4460 B25/B66 DETAIL SCALE: N.T.S. 3

T-Mobile
Stick Together

121 WEST ELECTION ROAD, SUITE 300
DRAPER, UTAH 84020

PROJECT INFORMATION:
(ANCHOR)
SL09036B
RIMROCK BUILDING
11716 SOUTH 700 EAST
DRAPER, UT 84020
SALT LAKE COUNTY

CURRENT ISSUE DATE:
12/31/24

ISSUED FOR:
CONSTRUCTION

REV.	DATE	DESCRIPTION	BY
A	12/18/24	90% CD	ZS
0	12/31/24	100% CD	ZS

PLANS PREPARED BY:

NETWORK CONNEX

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:

NETWORK CONNEX

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: ZS CHK.: ML APV.: ML

LICENSURE:

SHEET TITLE:
DETAILS AND SPECIFICATIONS I

SHEET NUMBER: D-1 REVISION: 0
SL09036B

NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE CEC.
2. METAL RACEWAY SHALL NOT BE USED AS THE CEC REQUIRED EQUIPMENT GROUND CONDUCTOR STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
3. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
4. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE
5. APPROVED ANTIOXIDANT COATINGS (I E , CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS
6. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
7. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS
8. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE W/ THE CEC
9. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS

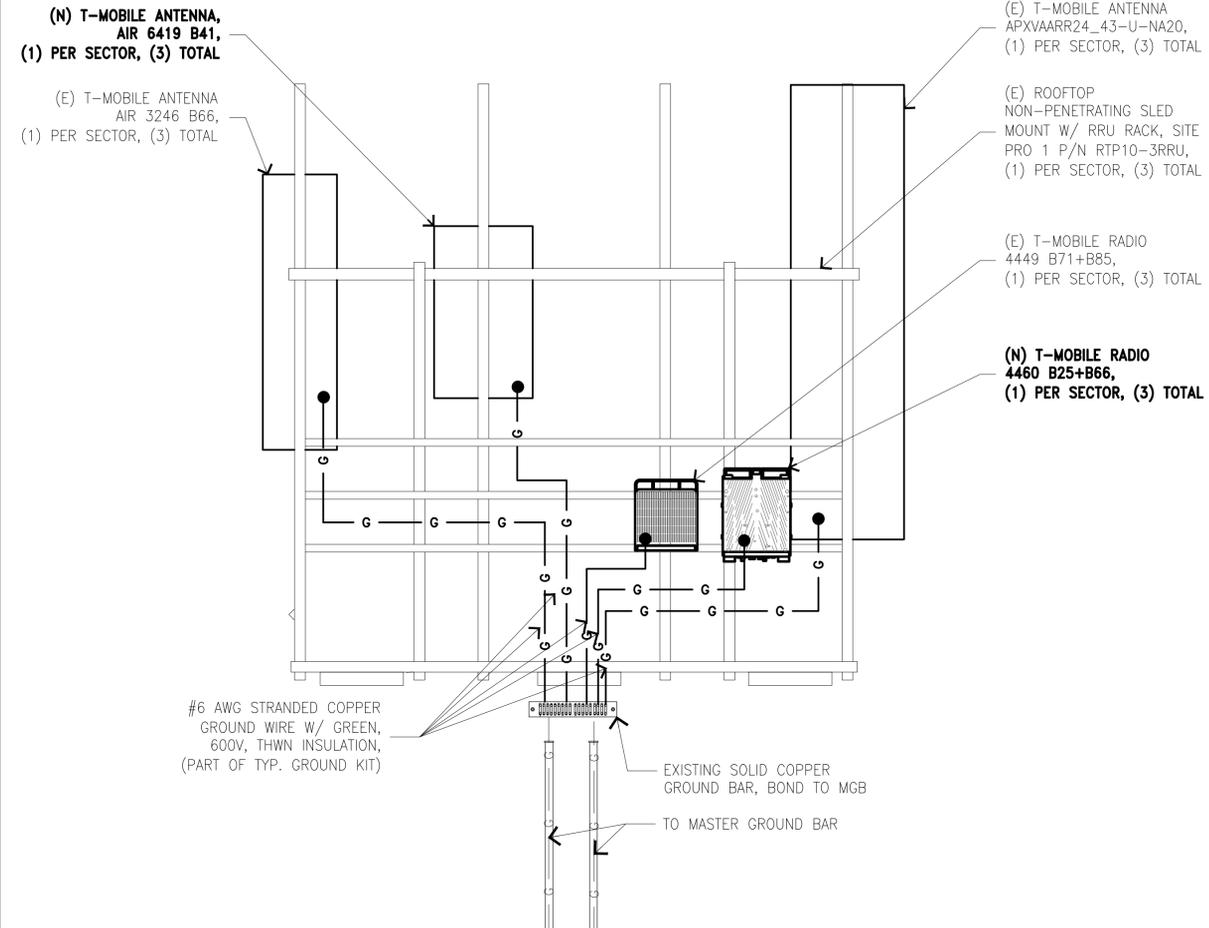
SYMBOLS:

-  GROUND TEST WELL
-  GROUND ROD
-  COMPRESSION / MECHANICAL TYPE CONNECTION
-  CADWELD TYPE CONNECTION
-  GROUND WIRE
-  GROUND BAR

NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND
2. ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR
3. TYPICAL FACTORY MADE JUMPERS ONLY

SEE PIM HYGIENE NOTES ON SHEET T-3, DETAIL 3



NOT USED

SCALE: N.T.S. 6

NOT USED

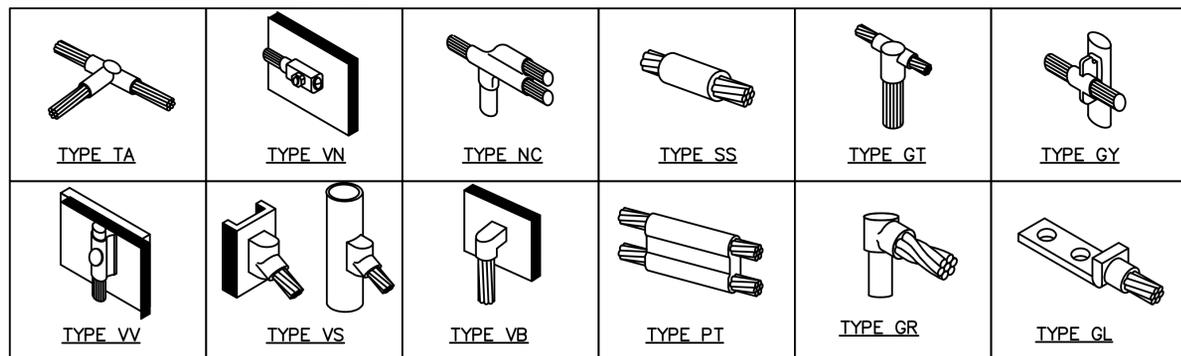
SCALE: N.T.S. 7

NOTES AND SYMBOLS

SCALE: N.T.S. 4

TYPICAL ANTENNA GROUNDING

SCALE: N.T.S. 1



TYPICAL CADWELD CONNECTIONS

SCALE: N.T.S. 5

NOTES:

1. APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG
2. IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT T-MOBILE CM

GROUND CONDUCTOR TO GROUND BAR

SCALE: N.T.S. 3

GROUNDING KIT

NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHERPROOFING SHALL BE (TYPE AND PART NUMBER) AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER AND APPROVED BY CONTRACTOR

SCALE: N.T.S. 2

T-Mobile
Stick Together

121 WEST ELECTION ROAD, SUITE 300
DRAPER, UTAH 84020

PROJECT INFORMATION:

(ANCHOR)
SL09036B
RIMROCK BUILDING
11716 SOUTH 700 EAST
DRAPER, UT 84020
SALT LAKE COUNTY

CURRENT ISSUE DATE:

12/31/24

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
A	12/18/24	90% CD	ZS
0	12/31/24	100% CD	ZS

PLANS PREPARED BY:

NETWORK CONNEX

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

CONSULTANT:

NETWORK CONNEX

655 N. CENTRAL AVE., #1520
GLENDALE, CA 91203
OFFICE: (818) 840-0808 FAX: (818) 840-0708

DRAWN BY: CHK.: APV.:

ZS ML ML

LICENSURE:



SHEET TITLE:

GROUNDING NOTES AND DETAILS

SHEET NUMBER: REVISION:

G-1

0

SL09036B