

**COUNTY OF SAN MATEO
PLANNING AND BUILDING DEPARTMENT**

DATE: July 7, 2022

TO: Zoning Hearing Officer

FROM: Planning Staff

SUBJECT: Consideration of Use Permit Renewal, pursuant to Section 6512.6 of the Zoning Regulations, to allow the continued operation of an existing wireless telecommunication facility operated by AT&T, located on the rooftop of an existing commercial building at 1391 Woodside Road in the unincorporated Sequoia Tract area of San Mateo County.

County File Numbers: PLN 2002-00109 (AT&T)

PROPOSAL

The project applicant, Kathryn Leal of Epic Wireless, proposes on behalf of AT&T to renew an existing Use Permit (PLN 2002-00109) to allow the continued operation of a wireless telecommunication facility located on the rooftop of an existing commercial building at 1391 Woodside Road. Since the 2011 Use Permit Renewal, a few Building Permits have been issued to allow minor modifications that qualify for Federal preemption under the Middle-Class Tax Relief and Job Creation Act of 2012, including the replacement and installation of antennas and associated equipment. No additional physical changes are proposed to the facility under this renewal.

The existing wireless telecommunication facility consists of two (2) tripod facilities with a total of six (6) antennas on the rooftop of the commercial building, with a total height of 38 feet 7 inches, including the building height of 28 feet. Associated equipment for the wireless telecommunication facility is located within the commercial building.

RECOMMENDATION

That the Zoning Hearing Officer approve the Use Permit Renewal, County File No. PLN 2002-00109 by making the required findings and adopting the conditions of approval listed in Attachment A.

BACKGROUND

Report Prepared By: Glen Jia, Project Planner; bjia@smcgov.org

Applicant: Kathryn Leal of Epic Wireless for AT&T Mobility

Owner: Nazareth Square LLC.

Location: 1391 Woodside Road in the unincorporated Sequoia Tract area of San Mateo County

APN: 069-311-370

Parcel Size: 16,988 sq. ft.

Existing Zoning: C-1/S-3 (Neighborhood Business District/S-3 Combining District)

General Plan Designation: Commercial, Neighborhood Commercial

Existing Land Use: Commercial and Wireless Telecommunication Facility

Water Supply: N/A

Sewage Disposal: N/A

Flood Zone: Zone X (Areas of Minimal Flood Hazard); Community Panel No. 06081C0303E; effective date October 16, 2012.

Environmental Evaluation: The project is categorically exempt pursuant to Section 15301, Class 1, of the California Environmental Quality Act (CEQA) Guidelines for the continued operation of existing public or private facilities involving no additional physical changes or expansion of use.

Setting: The existing telecommunication facility is located atop a commercial building at 1391 Woodside Road. The project site is located at the northeast corner of the intersection of San Carlos Avenue and Woodside Road (Highway 84). Access to the project site is obtained from San Carlos Avenue, and access to the telecommunication facility is through the roof access within the commercial building. The project site is surrounded by single-family residences and commercial buildings. The existing telecommunication facility consists of two (2) tripod facilities with a total of six (6) antennas on the rooftop of the commercial building.

Chronology:

<u>Date</u>	<u>Action</u>
March 26, 2003	Original Use Permit Granted
May 19, 2011	Use Permit was renewed with a May 19, 2021 expiration date.

September 21, 2012	Building Permit No. BLD 2012-01066 issued to allow the replacement of antennas and cabinets
July 31, 2015	Building Permit No. BLD 2015-00902 issued to allow the replacement of antennas and the installation of new battery units
October 2, 2018	Building Permit No. BLD 2018-01131 issued to allow the replacement of antennas and the installation of associated equipment
November 10, 2020	Building Permit No. BLD 2020-00918 issued to allow the replacement of antennas and associated equipment
September 21, 2021	Received application and payment for use permit renewal
December 16, 2021	Resubmittal made by Applicant
March 11, 2022	Building Permit No. BLD 2021-02009 issued to allow the installation of associated equipment
May 4, 2022	Additional information provided by Applicant
May 4, 2022	Application deemed complete
July 7, 2022	Zoning Hearing Officer public hearing

DISCUSSION

A. KEY ISSUES

1. Conformance with the General Plan

The project continues to conform with the applicable General Plan policies for Visual Quality and Land Use as no additional physical changes to the existing permitted facility are proposed.

2. Conformance with Zoning Regulations

The project site is located within the C-1/S-3 (Neighborhood Business District/S-3 Combining District) zoning district. The existing wireless telecommunication facility is operating under PLN 2002-00109 Use Permit). No additional physical changes are proposed.

3. Conformance with Wireless Telecommunication Facilities Ordinance

Staff has determined that the project complies with the applicable standards of the Wireless Telecommunication Facilities (WTF) Ordinance, as discussed below:

a. *Development and Design Standards*

Section 6512.2.E – G seeks to minimize and mitigate visual impacts from public views by designing facilities to blend in with the surrounding environment, painting exterior equipment to blend with the surrounding environment and/or buildings and requiring facilities to be constructed of non-reflective materials.

The existing facility blends in with the surrounding environment and is constructed of non-reflective materials. The existing equipment is located within the commercial building. No additional physical changes to the facility are proposed. For these reasons, the renewal complies with the policy.

4. Conformance with Use Permit Findings

In order to approve the subject Use Permit Renewal, the Zoning Hearing Officer must make the following findings:

a. *That the establishment, maintenance, and/or conducting of the use will not, under the circumstances of the particular case, be detrimental to the public welfare or injurious to property or improvements in the neighborhood.*

The existing telecommunication facility has been in operation for over 15 years. The facility will continue to be unmanned and requires monthly maintenance visits to test the equipment. Thus, the continued operation of the existing facility does not generate significant traffic, noise, or intensify the use of the site. No additional physical changes to the facility are proposed. Staff refers to Attachment A for further discussion on how this finding can be made

b. *That the telecommunication facilities are necessary for the public health, safety, convenience, or welfare of the community.*

Staff has determined that the continued operation of the existing cellular facility at this location will allow for continued cellular communication coverage for private citizens and businesses. The existing wireless telecommunication facility has been in existence for over 15 years. Community members, businesspersons, and residents

have come to rely on the coverage provided by these sites to facilitate daily conversation and to provide assistance in emergency situations.

5. Conformance with Conditions of Last Use Permit Approvals

Staff has reviewed the previous Use Permit conditions of approval for AT&T (PLN 2002-00109), last approved May 19, 2011 and have determined AT&T is in compliance with all previous conditions, see Attachment E. No additional physical changes are proposed as part of the renewal. Previous conditions that remain relevant, along with new conditions, are included in Attachment A of this staff report.

B. ENVIRONMENTAL REVIEW

The project is categorically exempt pursuant to Section 15301, Class 1, of the CEQA Guidelines for the continued operation of existing public or private facilities involving no alterations or expansion of use as no additional physical changes are proposed.

C. REVIEWING AGENCIES

San Mateo County Building Inspection Section
San Mateo County Department of Public Works
Menlo Park Fire Protection District

ATTACHMENTS

- A. Recommended Findings and Conditions of Approval
- B. Location Map
- C. Project Plans
- D. Photos of Existing Wireless Telecommunication Facility
- E. PLN 2002-00109 Conditions from 2011 Use Permit Renewal

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County of San Mateo
Planning and Building Department

RECOMMENDED FINDINGS AND CONDITIONS OF APPROVAL

Permit or Project File Number: PLN 2002-00109

Hearing Date: July 7, 2022

Prepared By: Glen Jia, Project Planner

For Adoption By: Zoning Hearing Officer

RECOMMENDED FINDINGS

Regarding the Environmental Review, Find:

1. That the project is categorically exempt pursuant to Section 15301, Class 1, of the CEQA Guidelines for the continued operation of existing public or private facilities involving no physical changes and no expansion of use.

Regarding the Use Permit, Find:

2. That the establishment, maintenance and/or conducting of the use will not, under the circumstances of this particular case, be detrimental to the public welfare or injurious to the property or improvements in the said neighborhood because the facility meets current Federal Communications Commission (FCC) standards and has been conditioned to maintain valid FCC and California Public Utilities Commission (CPUC) licenses. The telecommunication facility is located 1391 Woodside Road in the unincorporated Sequoia Tract area of San Mateo County. With regard to visual impacts, the antennas blend with the surroundings. No additional physical changes to the facility are proposed. Furthermore, the radio frequency emissions compliance report confirms the telecommunication facility does not exceed the Federal Communications Commission (FCC) General Population limits, and thus does not cause any significant impacts on the environment.
3. That the wireless telecommunication facility is necessary for public health, safety, convenience or welfare since it provides cellular coverage in the area for both public and private users who have come to rely on the coverage provided by the facility and to provide assistance in emergency situations.

RECOMMENDED CONDITIONS OF APPROVAL

Current Planning Section

1. This approval applies only to the proposal, documents, and plans described in this report and materials approved by the Zoning Hearing Officer on July 7, 2022. The Community Development Director may approve minor revisions or modifications to the project if they are consistent with the intent of and in substantial conformance with this approval.
2. This permit shall be valid until July 7, 2032, ten (10) years from the date of approval. Renewal of this permit shall be applied for six (6) months prior to expiration to the Planning and Building Department and shall be accompanied by the renewal application and fees applicable at that time.
3. This use permit shall be for the proposed project only. Any substantial change or change in intensity of use shall require an amendment to the applicable use permit. Amendments to the use permit require an application for amendment, payment of applicable fees, and consideration at a public hearing.
4. The applicant shall maintain all necessary licenses and registrations from the Federal Communications Commission (FCC) and any other applicable regulatory bodies for the operation of the subject facility at this site. If any required license is ever revoked, the applicant shall inform the Planning Department of the revocation within ten (10) days of receiving notice of such revocation.
5. This facility and all equipment associated with it shall be removed in its entirety by the applicant within ninety (90) days if the FCC license and registration are revoked or if the facility is abandoned or no longer needed. The owner and/or operator of the facility shall notify the Planning Department upon FCC revocation or applicant abandonment of the facility.
6. There shall be no external lighting associated with this use. The wireless telecommunication facility shall not be lighted or marked unless required by the FCC or Federal Aviation Administration (FAA).
7. The property owner shall not enter into a contract with the lessee which reserves for one company exclusive use of structures on this site for telecommunications facilities.
8. If technically practical and without creating any interruption in commercial service caused by electronic magnetic interference (EMI), floor space and/or rack space for equipment in a wireless telecommunication facility shall be made available to the County for public safety communication use.

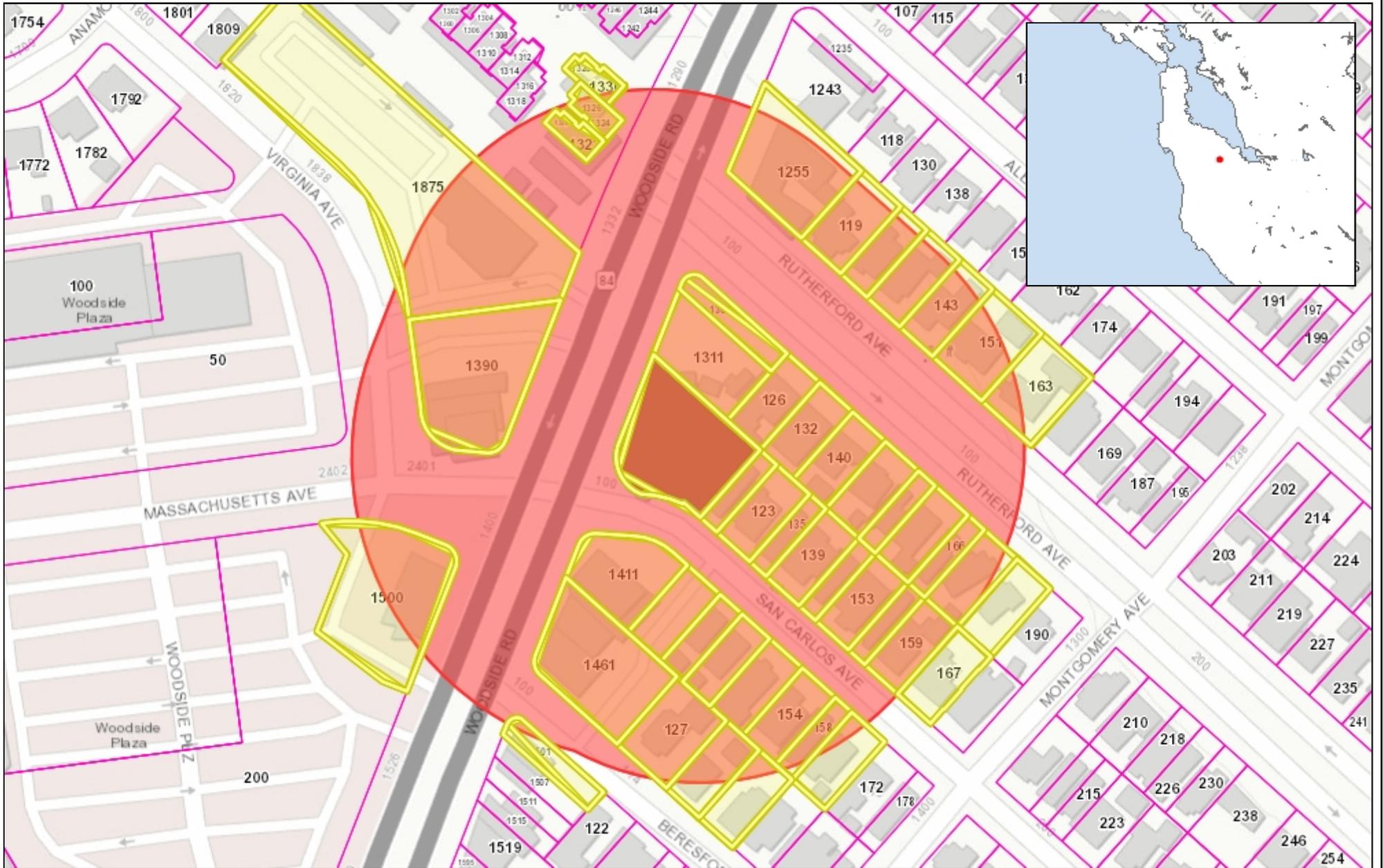
9. The applicant shall be responsible for painting and/or maintaining the antennas and tripod facilities in the originally approved and painted color. Any proposal to change the color shall be reviewed and approved by the Planning Department prior to painting.
10. Maintenance for the roof antennas shall only be performed between 9:00 am and 5:00 pm.
11. Access to the rooftop shall be limited to only those persons properly trained and equipped with personal protective equipment, such as an RF Personal Monitor.
12. A building permit is required for any alteration of this facility.

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County of San Mateo - Planning and Building Department

ATTACHMENT B



0.07 0 0.04 0.07 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
© Latitude Geographics Group Ltd.

1:2,257



This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION



County of San Mateo - Planning and Building Department

ATTACHMENT C

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 - PART 1 - CALIFORNIA ADMINISTRATIVE CODE
 - PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 - PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
 - PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
 - PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
 - PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
 - PART 6 - CALIFORNIA ENERGY CODE
 - PART 7 - VACANT
 - PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 - PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 - PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 - PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 - PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
- ANSI/TIA-222 (REV H)
- 2018 NFPA 101, LIFE SAFETY CODE
- 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
- 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

USID: 13320
 FA#: 10095892
 4TX4RX
 PTN#: 3701A0T9KZ
 PACE#: MRSFR068987
 5G NR 1DR-1
 PTN#: 3701A0TA29
 PACE#: MRSFR068991

 **AT&T**

BU #852132

SITE NUMBER: CCL03303
SITE NAME: ALAMEDA KENTFIELD
SITE TYPE: ROOFTOP/INDOOR EQUIPMENT
ADDRESS: 1391 WOODSIDE ROAD
REDWOOD CITY, CA 94061

CROWN BU #852132/NAZARETH ALAMEDA & KENTFIELD N

APPROVALS

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

DISCIPLINE:	SIGNATURE	DATE
RF ENGINEER:		
AT&T PM:		
CIVIL:		
A&E:		
SAQ PM:		
PROPERTY OWNER:		

Plan set to serve as the as-built drawings for the renewal of Use permit #97-0031

No proposed changed to the existing facility

PREPARED FOR

 **AT&T**

5001 EXECUTIVE PKWY,
SAN RAMON CA 94583

Vendor:

 **J5 INFRASTRUCTURE PARTNERS**
 AZ - CA - CO - ID - NM - NV - TX - UT

1150 BALLENA BLVD, UNIT 259
ALAMEDA, CA 94501

AT&T Site ID:

CCL03303

PROJECT TEAM

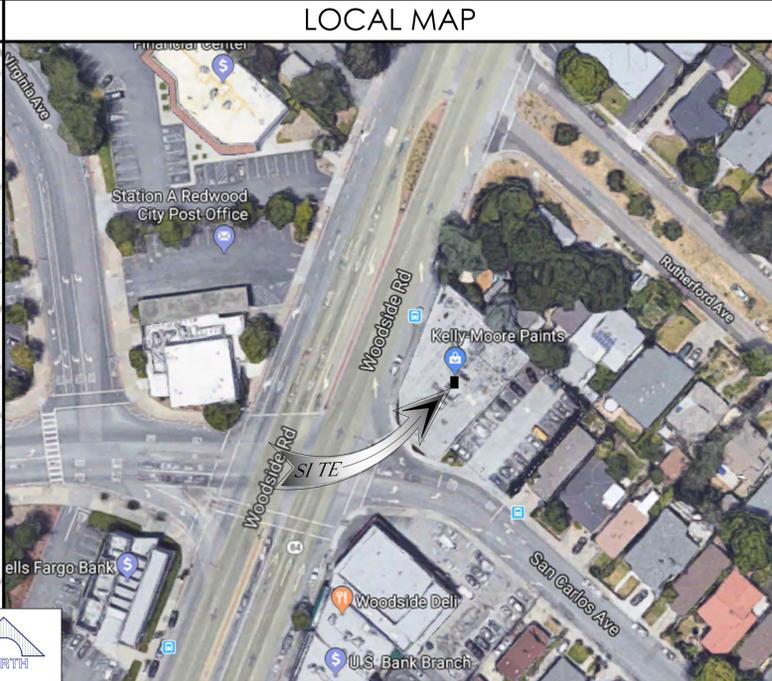
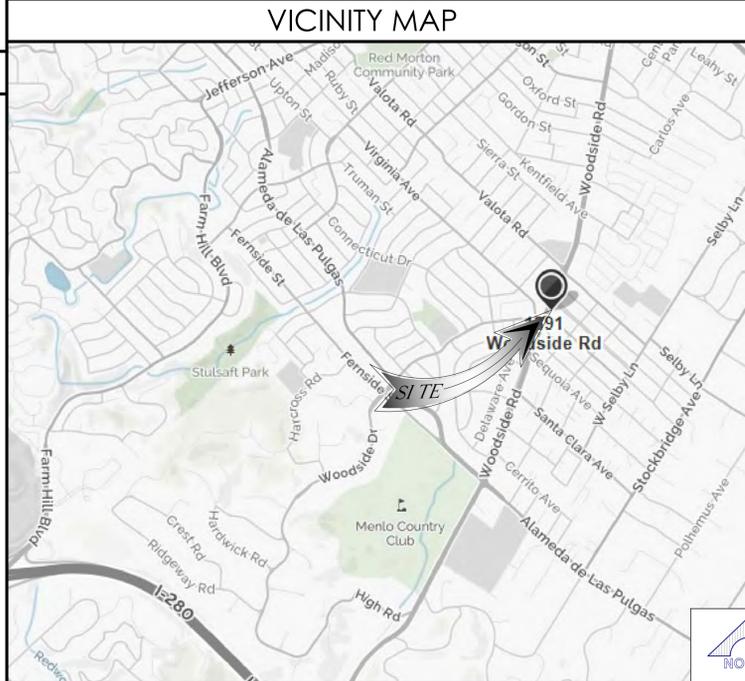
APPLICANT / LESSEE:
 AT&T MOBILITY SERVICES, LLC
 5001 EXECUTIVE PKWY,
 SAN RAMON, CA 94583
 CONTACT: PHILLIP DEGUZMAN
 Site Acquisition Manager
 EMAIL: pd8326@att.com
 PH: (925) 300-5626

PROJECT MANAGER, LEASING & ZONING:
 J5 INFRASTRUCTURE PARTNERS
 1150 BALLENA BLVD, SUITE 259
 ALAMEDA, CA 94501
 CONTACT: ALEX ORNER
 EMAIL: AORNER@j5ip.com
 PH: (415) 601.3194

CONSTRUCTION MANAGER:
 AT&T MOBILITY SERVICES, LLC
 5001 EXECUTIVE PKWY,
 SAN RAMON, CA 94583
 CONTACT: DAVID KOCH
 Sr. Specialist-Tech
 EMAIL: dk5751@att.com
 CELL: (925) 353-0172

A&E MANAGER:
 J5 INFRASTRUCTURE PARTNERS
 2030 MAIN STREET, SUITE 200
 IRVINE, CA 92614
 contact: STEVEN M. RAMON
 email: sramon@j5ip.com
 ph: (949) 247-7767 ext 158

RF ENGINEER:
 AT&T MOBILITY SERVICES, LLC
 5001 EXECUTIVE PKWY,
 SAN RAMON, CA 94583
 CONTACT: JOSE PABELONIO
 RAN ENGINEER
 EMAIL: jp5720@att.com
 PH: (949) 344-1628



PROJECT DESCRIPTION

MODIFICATION TO AN UNMANNED TELECOMMUNICATIONS FACILITY, CONSISTING OF THE FOLLOWING:

- REMOVE (3) PANEL ANTENNAS, (1) PER SECTOR (TOTAL-3)
- INSTALL (3) PANEL ANTENNAS ON NEW 6" STAND-OFFS, (1) PER SECTOR (TOTAL-3)
- INSTALL (3) RRUS 4449 B5/B12 NEAR ANTENNAS, (1) PER SECTOR (TOTAL-3)**ADD TO EXISTING B2B MOUNT @ TRIPOD #2
- INSTALL (1) TWIN DIPLEXER NEAR ANTENNAS, (1) PER SECTOR (TOTAL-3)**MOUNTED TO DIAGONALS @ TRIPOD #1
- RELOCATE (3) (E) RRUS 4415 BEHIND ANTENNA**ADD PIPE TO PIPE AND RELOCATE 4415 @ TRIPOD #2
- INSTALL (1) DC6 DOME NEAR EXISTING DC6 DOME ON ROOFTOP
- INSTALL (2) POWER TRUNKS AND (1) FIBER TRUNK WITHIN 2.5 INNER DUCT ROUTED THROUGH EXISTING CABLE TRAY. **TO TRIPOD #2
- REMOVE (3) RRUS 11 B12 AT EQUIPMENT AREA, (1) PER SECTOR (TOTAL-3)
- REMOVE (6) 7/8" DIA.COAX AS NEEDED
- RELOCATE (1) DC12-RM AT TOP OF EXISTING RACK
- INSTALL (2) RECTIFIERS WITHIN EXISTING DC POWER PLANT
- INSTALL (1) 6630 CARD WITHIN EQUIPMENT RACK
- REMOVE (4) STRINGS OF 155AH BATTERIES FROM WITHIN EXISTING BATTERY RACK
- INSTALL (5) STRINGS OF 185AH BATTERIES WITHIN EXISTING BATTERY RACK
- INSTALL (4) DIAGONAL BRACINGS TO TRIPOD MOUNTS

NOTE: RELOCATE UMTS FROM POSITION 2 TO POSITION 1 (TRIPOD #1) WITH TWIN DIPLEXER SHARED WITH LTE FNET

DRAWN BY: WR
 CHECKED BY: SMR

REV	DATE	DESCRIPTION
0	5/12/20	100% CD
A	3/24/20	90% CD

Licenser:



SIGNED: 2020/05/13
EXPIRES: 2023/03/31

It is a violation of law for any persons, unless they are acting under the direction of a licensed professional engineer, to alter this document

Issued For:

CCL03303

ALAMEDA KENTFIELD
1391 WOODSIDE ROAD
REDWOOD CITY, CA 94061

Sheet Title:

TITLE SHEET

Sheet Number:

T-1

SITE INFORMATION

PROPERTY OWNER:
NAZARETH SQUARE LLC
800 S. B STREET, SUITE 100
SAN MATEO, CA 94401

JURISDICTION: COUNTY OF SAN MATEO
 A.P.N.: 069-311-370
 CURRENT ZONING: C-1/S-3
 EXISTING USE: TELECOMMUNICATIONS FACILITY
 PROPOSED USE: TELECOMMUNICATIONS FACILITY
 LATITUDE (NAD 83): 37.4574640°
 37° 27' 27.33" N
 LONGITUDE (NAD 83): -122.2269360°
 -122° 13' 37.35" W

ACCESSIBILITY REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY IS NOT REQUIRED PER CBC2019, SECTION 11B-203.4 (LIMITED ACCESS SPACE)

POWER AGENCY:
PG&E
PH: (800) 743-5000
TELEPHONE AGENCY:
AT&T

RFDS VERSION: 2.00
 DATE UPDATED: 03/13/2020

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE PLANS ARE FORMATTED TO BE FULL SIZE AT 24" X 36". CONTRACTORS SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

STATEMENTS

STRUCTURAL ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWINGS SET. FOR ANALYSIS OF EXISTING AND/OR PROPOSED COMPONENTS, REFER TO STRUCTURAL ANALYSIS PROVIDED UNDER SEPARATE COVER.

ANTENNA MOUNT ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWING SET. FOR ANALYSIS OF MOUNT TO SUPPORT EXISTING AND/OR PROPOSED COMPONENTS, REFER TO ANTENNA MOUNT STRUCTURAL ANALYSIS PROVIDED UNDER SEPARATE COVER.

DRIVING DIRECTIONS

DIRECTIONS FROM AT&T OFFICE: 5001 EXECUTIVE PKWY, SAN RAMON CA 94583

- HEAD NORTHEAST ON BISHOP DR TOWARD SUNSET DR
- TURN RIGHT ONTO SUNSET DR
- USE THE RIGHT 2 LANES TO TURN RIGHT ONTO BOLLINGER CANYON RD
- USE THE RIGHT 2 LANES TO MERGE ONTO I-680 S VIA THE RAMP TO SAN JOSE
- TAKE EXIT 30B TO MERGE ONTO I-580 W
- KEEP LEFT AT THE FORK TO CONTINUE ON I-238 N, FOLLOW SIGNS FOR I-880
- USE THE RIGHT 2 LANES TO TAKE EXIT 16A FOR INTERSTATE 880 S TOWARD SAN JOSE/SAN MATEO BRIDGE
- MERGE ONTO I-880 S
- TAKE EXIT 30B TO MERGE ONTO I-580 W TOWARD DUBLIN/OAKLAND
- TAKE EXIT 36A FOR REDWOOD RD TOWARD CASTRO VALLEY
- USE THE LEFT 2 LANES TO TURN LEFT ONTO REDWOOD RD
- CONTINUE ONTO A ST
- CONTINUE STRAIGHT TO STAY ON A ST
- USE THE LEFT 3 LANES TO TURN LEFT ONTO MISSION BLVD
- USE THE RIGHT 2 LANES TO TURN SLIGHTLY RIGHT ONTO CA-92 W
- USE THE RIGHT 2 LANES TO TAKE EXIT 8 FOR I-280
- KEEP LEFT AT THE FORK TO CONTINUE ON EXIT 8A, FOLLOW SIGNS FOR I-280 S AND MERGE ONTO I-280 S
- TAKE EXIT 25 FOR CA-84
- USE THE LEFT 2 LANES TO TURN LEFT ONTO CA-84 E/WOODSIDE RD



800-227-2600
 Call 2 Full Working Days In Advance

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GENERAL CONSTRUCTION NOTES:

- PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC / UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
- REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
- THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
- DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
- ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
- ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
- ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
- INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

A.B. ANCHOR BOLT
 ABV. ABOVE
 ACCA ANTENNA CABLE COVER ASSEMBLY
 ADD'L ADDITIONAL
 A.F.F. ABOVE FINISHED FLOOR
 A.F.G. ABOVE FINISHED GRADE
 ALUM. ALUMINUM
 ALT. ALTERNATE
 ANT. ANTENNA
 APPRX. APPROXIMATE(LY)
 ARCH. ARCHITECT(URAL)
 AWG. AMERICAN WIRE GAUGE
 BLDG. BUILDING
 BLK. BLOCK
 BLKG. BLOCKING
 BM. BEAM
 B.N. BOUNDARY NAILING
 BTCW. BARE TINNED COPPER WIRE
 B.O.F. BOTTOM OF FOOTING
 B/U BACK-UP CABINET
 CAB. CABINET
 CANT. CANTILEVER(ED)
 C.I.P. CAST IN PLACE
 CLG. CEILING
 CLR. CLEAR
 COL. COLUMN
 CONC. CONCRETE
 CONN. CONNECTION(OR)
 CONST. CONSTRUCTION
 CONT. CONTINUOUS
 d PENNY (NAILS)
 DBL. DOUBLE
 DEPT. DEPARTMENT
 D.F. DOUGLAS FIR
 DIA. DIAMETER
 DIAG. DIAGONAL
 DIM. DIMENSION
 DWG. DRAWING(S)
 DWL. DOWEL(S)
 EA. EACH
 EL. ELEVATION
 ELEC. ELECTRICAL
 ELEV. ELEVATOR
 EMT. ELECTRICAL METALLIC TUBING
 E.N. EDGE NAIL
 ENG. ENGINEER
 EQ. EQUAL
 EXP. EXPANSION
 EXST.(E) EXISTING
 EXT. EXTERIOR
 FAB. FABRICATION(OR)
 F.F. FINISH FLOOR
 F.G. FINISH GRADE
 FIN. FINISH(ED)
 FLR. FLOOR

ANCHOR BOLT
 ABOVE
 ANTENNA CABLE COVER ASSEMBLY
 ADDITIONAL
 ABOVE FINISHED FLOOR
 ABOVE FINISHED GRADE
 ALUMINUM
 ALTERNATE
 ANTENNA
 APPROXIMATE(LY)
 ARCHITECT(URAL)
 AMERICAN WIRE GAUGE
 BUILDING
 BLOCK
 BLOCKING
 BEAM
 BOUNDARY NAILING
 BARE TINNED COPPER WIRE
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 CEILING
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 EDGE NAIL
 ENGINEER
 EQUAL
 EXPANSION
 EXISTING
 EXTERIOR
 FABRICATION(OR)
 FINISH FLOOR
 FINISH GRADE
 FINISH(ED)
 FLOOR

FDN. FOUNDATION
 F.O.C. FACE OF CONCRETE
 F.O.M. FACE OF MASONRY
 F.O.S. FACE OF STUD
 F.O.W. FACE OF WALL
 F.S. FINISH SURFACE
 FT.(') FOOT (FEET)
 FTG. FOOTING
 G. GROWTH (CABINET)
 GA. GAUGE
 GI. GALVANIZE(D)
 G.F.I. GROUND FAULT CIRCUIT
 INTERRUPTER
 GLB. (GLU-LAM) GLUE LAMINATED BEAM
 GPS GLOBAL POSITIONING SYSTEM
 GRND. GROUND
 HDR. HEADER
 HGR. HANGER
 HT. HEIGHT
 ICGB. ISOLATED COPPER GROUND BUS
 IN. (") INCH(ES)
 INT. INTERIOR
 LB.(#) POUND(S)
 L.B. LAG BOLTS
 L.F. LINEAR FEET (FOOT)
 L. LONG(ITUDINAL)
 MAS. MASONRY
 MAX. MAXIMUM
 M.B. MACHINE BOLT
 MECH. MECHANICAL
 MFR. MANUFACTURER
 MIN. MINIMUM
 MISC. MISCELLANEOUS
 MTL. METAL
 (N) NEW
 NO.(#) NUMBER
 N.T.S. NOT TO SCALE
 O.C. ON CENTER
 OPNG. OPENING
 P/C PRECAST CONCRETE
 PCS PERSONAL COMMUNICATION
 PLY. PLYWOOD
 PPC POWER PROTECTION CABINET
 PRC PRIMARY RADIO CABINET
 P.S.F. POUNDS PER SQUARE FOOT
 P.S.I. POUNDS PER SQUARE INCH
 P.T. PRESSURE TREATED
 PWR. POWER (CABINET)
 QTY. QUANTITY
 RAD.(R) RADIUS
 REF. REFERENCE
 REINF. REINFORCEMENT(ING)
 REQ'D/ REQUIRED
 RGS. RIGID GALVANIZED STEEL

ABBREVIATIONS:

SCH. SCHEDULE
 SHT. SHEET
 SIM. SIMILAR
 SPEC. SPECIFICATIONS
 SQ. SQUARE
 S.S. STAINLESS STEEL
 STD. STANDARD
 STL. STEEL
 STRUC. STRUCTURAL
 TEMP. TEMPORARY
 THK.(NESS) THICK(NESS)
 T.N. TOE NAIL
 T.O.A. TOP OF ANTENNA
 T.O.C. TOP OF CURB
 T.O.F. TOP OF FOUNDATION
 T.O.P. TOP OF PLATE (PARAPET)
 T.O.S. TOP OF STEEL
 T.O.W. TOP OF WALL
 TYP. TYPICAL
 U.G. UNDER GROUND
 U.L. UNDERWRITERS LABORATORY
 U.N.O. UNLESS NOTED OTHERWISE
 V.I.F. VERIFY IN FIELD
 W WIDE (WIDTH)
 w/ WITH
 WD. WOOD
 W.P. WEATHERPROOF
 WT. WEIGHT
 CL CENTERLINE
 PL PLATE, PROPERTY LINE

APPLICABLE CODES, REGULATIONS AND STANDARDS:

- SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION.
- THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
- SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
 - AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
 - TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
 - INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
 - IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")
 - TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK
 - EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
 - TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
 - TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
 - TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS
 - ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS
 - FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

SYMBOLS LEGEND:

	BLDG. SECTION		GROUT OR PLASTER
	WALL SECTION		(E) BRICK
	DETAIL		(E) MASONRY
	ELEVATION		CONCRETE
	DOOR SYMBOL		EARTH
	WINDOW SYMBOL		GRAVEL
	TILT-UP PANEL MARK		PLYWOOD
	PROPERTY LINE		SAND
	CENTERLINE		PLYWOOD
	ELEVATION DATUM		(E) STEEL
	GRID/COLUMN LINE		MATCH LINE
	KEYNOTE, DIMENSION ITEM		GROUND CONDUCTOR
	KEYNOTE, CONSTRUCTION ITEM		OVERHEAD SERVICE CONDUCTORS
	WALL TYPE MARK		TELEPHONE CONDUIT
	ROOM NAME ROOM NUMBER		POWER CONDUIT
			COAXIAL CABLE
			CHAIN LINK FENCE
			WOOD FENCE
			(P) ANTENNA
			(P) RRU
			(P) DC SURGE SUPPRESSION
			(F) ANTENNA
			(F) RRU
			(E) EQUIPMENT

PREPARED FOR



5001 EXECUTIVE PKWY,
SAN RAMON CA 94583

Vendor:



1150 BALLENA BLVD. UNIT 259
ALAMEDA, CA 94501

AT&T Site ID:

CCL03303

DRAWN BY: WR

CHECKED BY: SMR

REV	DATE	DESCRIPTION
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A	3/24/20	90% CD

Licenser:



SIGNED: 2020/05/13
EXPIRES: 2021/03/31

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CCL03303

ALAMEDA
KENTFIELD
1391 WOODSIDE ROAD
REDWOOD CITY, CA
94061

Sheet Title:

GENERAL NOTES

Sheet Number:

GN-1



This Site Operated by:
AT&T MOBILITY
 5001 EXECUTIVE PKWY,
 SAN RAMON, CA 94583
 IN CASE OF FIRE AND THE NEED FOR SHUTDOWN
 TO DEACTIVATE ANTENNAS CALL THE
 FOLLOWING NUMBER:
 For 24 Hour Emergency Contact and Access Please Call:
 (800)832-6662

Reference Site#: CCL03303
 Site Address: 1391 WOODSIDE ROAD REDWOOD CITY, CA 94061

10 FENCED COMPOUND SIGNAGE
 N.T.S.



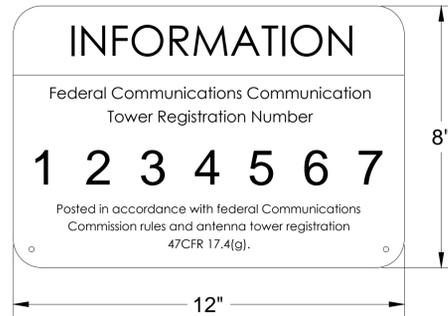
9 FENCED COMPOUND SIGNAGE
 N.T.S.



8 DOOR / EQUIPMENT SIGN
 N.T.S.



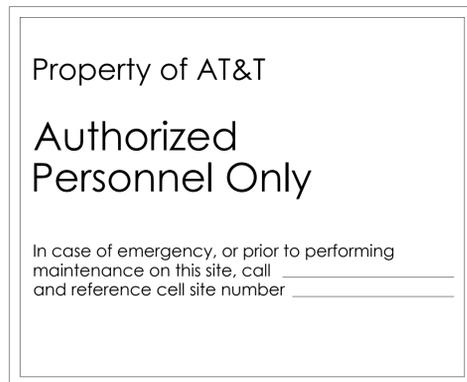
7 NFPA HAZARD SIGN - TYPICAL
 N.T.S.



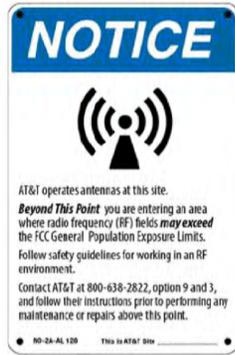
6 FCC ASR SIGNAGE
 N.T.S.



5 GATE SIGNAGE
 N.T.S.



4 SHELTER / CABINET DOORS SIGNAGE
 N.T.S.



Notice Sign 2
 (8" x 12")



Caution Sign 2
 (8" x 12")



Caution Sign 2A
 (8" x 12")
 Use only if instructed by RF Safety



Caution Sign 2B Tower
 (8" x 12")
 Use for Towers only



Caution Sign 2C Parapet
 (5" x 7")

1. CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE w/ AT&T WIRELESS DOCUMENT #03-0074, RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.

2. FABRICATION:

*SIGN 1-1: ENTRANCE DOOR, SEE DETAIL 1A, THIS SHEET

SIGN 1 IS TO BE MADE ON THE 50 MIL ALUMINUM SHEETING (SIZE 8 INCHES BY 12 INCHES) w/ FOUR (4) 1/4 INCH MOUNTING HOLES, ONE EACH CORNER OF THE SIGN FOR MOUNTING w/ HARDWARE w/ TIE WRAPS. THE MAIN BACKGROUND COLOR IS TO BE WHITE FRONT & BACK w/ BLACK LETTERING.

THE INFORMATION BAND SHALL BE 1.2 INCH SOLID GREEN BAND w/ 0.5 INCH HIGH BLACK LETTERING. THE BODY TEXT SHALL BE IN BLACK LETTERING w/ 0.2 INCH HIGH LETTERS. THE REF LINE SHALL BE IN 1/8 INCH LETTERS.

THE PLACEMENT OF TEXT SHALL BE DONE IN A MANNER THAT WILL PERMIT EASY READING FROM A DISTANCE OF APPROXIMATELY 6 FEET IN FRONT OF THE SIGN.

2 ALERTING & INFORMATION SIGNAGE
 N.T.S.

ALL PAINT WILL BE BAKED w/ ENAMEL w/ UV PROTECTIVE COATING OVER THE FACE OF THE SIGN.

*SIGN 1-2: POLE, SEE DETAIL 1B, THIS SHEET

SIGN 2 MUST BE A NON METALLIC LABEL w/ AN ADHESIVE BACKING. THE LABEL SHALL BE MADE USING VINYL OR SIMILAR WEATHERPROOF MATERIAL. THE LABEL SHALL BE APPROXIMATELY 5X7 INCHES w/ A WHITE BACKGROUND AND BLACK LETTERING. THE GREEN BAND SHALL BE 1.375 INCH IN HEIGHT & THE LETTERING SHALL BE BLACK w/ 0.75 INCH HIGH LETTERS. THE TEXT LETTERING SHALL BE BLACK w/ 1/8 INCH HIGH LETTERS. UV PROTECTION SHALL BE PLACED OVER THE FRONT OF THE LABEL.

*SIGN 1-3: BACK OF ANTENNAS, SEE DETAIL 1C & 3, THIS SHEET

*SIGN 3 IS A 1 INCH X 2 INCH PANEL THAT CAN BE APPLIED TO THE BACK OR SIDE OF AN ANTENNA TO IDENTIFY IT AS AN AT&T ANTENNA.

*SIGN 1-4: SIDE OF ANTENNAS, SEE DETAIL 1D & 3, THIS SHEET

SIGN 4 IS MADE FROM TRANSPARENT MATERIAL 1-1/2 INCHES WIDE & 24 INCHES LONG. THE LETTERING IS TO BE BLACK w/ 1/2 INCH LETTERING IN A VERTICAL COLUMN. THE SPACING BETWEEN WORDS MUST BE SUCH THAT IT IS EASILY READ & FILLS THE LENGTH OF THE SIGN.

SIGNAGE AND STRIPING INFORMATION

- THE FOLLOWING INFORMATION IS A GUIDELINE w/ RESPECT TO PREVAILING STANDARDS LIMITING HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY AND SHOULD BE USED AS SUCH. IF THE SITE'S EMF REPORT OR ANY LOCAL, STATE OR FEDERAL GUIDELINES OR REGULATIONS SHOULD BE IN CONFLICT w/ ANY PART OF THESE NOTES OR PLANS, THE MORE RESTRICTIVE GUIDELINE OR REGULATION SHALL BE FOLLOWED AND OVERRIDE THE LESSER.
- THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 1mWcm*2 AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 5mWcm*2
- IF THE BOTTOM OF THE ANTENNA IS MOUNTED (8) EIGHT FEET ABOVE THE GROUND OR WORKING PLATFORM LINE OF THE PERSONAL COMMUNICATION SYSTEM (PCS) AND DOES NOT EXCEED THE PUBLIC LIMIT OF RF EXPOSURE LIMIT THEN NO STRIPING OR BARRICADES SHOULD BE NEEDED.
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.
- ALL TRANSMIT ANTENNAS REQUIRE A THREE LANGUAGE WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND CHINESE. THIS SIGN SHALL BE PROVIDED TO THE CONTRACTOR Y THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION. THE LARGER SIGN SHALL BE PLACED IN PLAIN SIGHT AT ALL ROOF ACCESS LOCATIONS AND ON ALL BARRICADES. THE SMALLER SIGN SHALL BE PLACED ON THE ANTENNA ENCLOSURES IN A MANNER THAT IS EASILY SEEN BY ANY PERSON ON THE ROOF. WARNING SIGNS SHALL COMPLY w/ ANSI C95.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS. ALL SIGNS SHALL HAVE AT&T'S NAME AND THE COMPANY CONTACT INFORMATION (e.g. TELEPHONE NUMBER) TO ARRANGE FOR ACCESS TO THE RESTRICTED AREAS. THIS TELEPHONE NUMBER SHALL BE PROVIDED TO THE CONTRACTOR BY THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION.
- PHOTOS OF ALL STRIPING, BARRICADES & SIGNAGE SHALL BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PROJECT MANAGER AT THE END OF CONSTRUCTION. STRIPING SHALL BE DONE w/ FADE RESISTANT YELLOW SAFETY PAINT IN A CROSS-HATCH PATTERN AS DETAILED BY THE CONSTRUCTION DRAWINGS. ALL BARRICADES SHALL BE MADE OF AN RF FRIENDLY MATERIAL SO AS NOT TO BLOCK OR INTERFERE w/ THE OPERATION OF THE ANTENNAS. BARRICADES SHALL BE PAINTED w/ FADE RESTRAINT YELLOW SAFETY PAINT. THE CONTRACTOR SHALL PROVIDE ALL RF FRIENDLY BARRICADES NEEDED, & SHALL PROVIDE THE AT&T CONSTRUCTION PROJECT MANAGER w/ A DETAILED SHOP DRAWING OF EACH BARRICADE. UPON CONSTRUCTION COMPLETION.

PREPARED FOR



5001 EXECUTIVE PKWY,
 SAN RAMON CA 94583

Vendor:

1150 BALLENA BLVD. UNIT 259
 ALAMEDA, CA 94501

AT&T Site ID:

CCL03303

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 94061

Sheet Title:

SITE SIGNAGE

Sheet Number:

GN-2

1 GENERAL NOTES
 N.T.S.



BECAUSE WHEN THE POWER IS OUT, YOU DON'T WANT THEIR PHONES TO BE.



- 10 YEAR DESIGN LIFE**
 Exceeds TELCORDIA GR-1200 criteria
 Greater than 5 years at 35°C
- CAPACITY RANGE**
 45Ah - 200Ah
- HIGH TEMPERATURE LONG LIFE DESIGN**
 Primary lead for long life
 Low calcium alloy for long life
 Additives to maintain compression
 Designed to control charging current as temperature increases
 No thermal runaway
 Epoxy sealed terminals to prevent post leaks
 Rugged ABS cases to minimize handling damage
- COMPLIANCE**
 V2 TPR-9802
 GR-4228
 GR-1089
 GR-63 NEBS
- SAFETY**
 UL 94V-0
 UL 1989

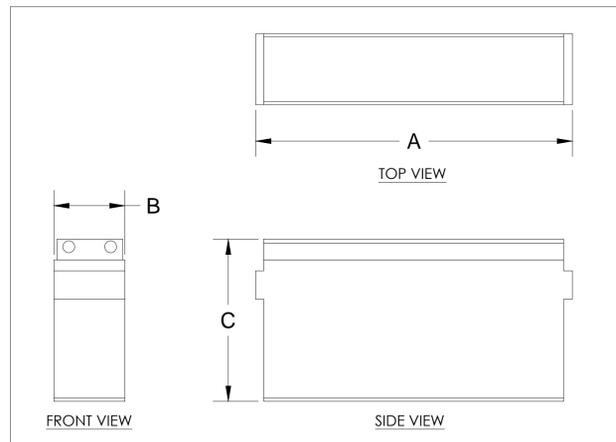
ABOUT THE PYL SERIES

Proven in the real world, the PYL Series of telecom batteries provides security and long life in extreme climates where other VRLA batteries just don't survive. The PYL technology utilizes proprietary lead alloys and active material additives. The PYL Series is the most cost effective battery solution over the total life cycle and for initial installation in your network.



GS BATTERY FRONT TERMINAL SPECIFICATIONS

MODEL NUMBER	VOLTAGE	CAPACITY (Ah)		NOMINAL DIMENSIONS						NOMINAL WEIGHT	
		8HR TO 1.75V @ 25°C	AMPERES/WATTS TO 1.75V @ 25°C	INCHES			MILLIMETERS			LBS.	KG.
		A	B	C	A	B	C				
PYL12V160FT	12	160	62.6 / 739	21.9	4.9	11.0	556	125	280	52.7	116.2
PYL12V185FT	12	185	71.2 / 829	21.9	4.9	12.5	556	125	317	60.7	133.8



GS BATTERY FRONT TERMINAL SPECIFICATIONS

MODEL NUMBER	INTERNAL RESISTANCE (mOhms)
PYL12V160FT	2.5
PYL12V185FT	3.5

FLOAT VOLTAGE & CHARGING
 CONSTANT VOLTAGE CHARGING IS RECOMMENDED.
 RECOMMENDED FLOAT VOLTAGE: 1.75 VPC @ 25°C (77°F)

NOTE:
 DESIGN AND/OR SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. IF QUESTIONS ARISE, CONTACT YOUR LOCAL GNB SALES REPRESENTATIVE FOR CLARIFICATION.

PREPARED FOR



5001 EXECUTIVE PKWY,
 SAN RAMON CA 94583

Vendor:



1150 BALLENA BLVD, UNIT 259
 ALAMEDA, CA 94501

AT&T Site ID:

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 REDWOOD CITY, CA
 94061

Sheet Title:

SITE SIGNAGE

Sheet Number:

GN-3

BATTERY INFORMATION (VRLA TYPE BATTERIES)										
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED (EA)	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2016 SECTION 608.1, UPDATED JULY 1, 2018 (KWh)	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	GS PYL12V185FT	20	12	185	2.22	44.4			2.504	50.08
TOTAL		20				44.4	70	CFC SECTION 608 DOES NOT APPLY		50.08

to use this sheet:

THIS IS NOT A SITE SURVEY
 ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.



PREPARED FOR

 5001 EXECUTIVE PKWY,
 SAN RAMON CA 94583

Vendor:

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 1150 BALLENA BLVD, UNIT 259
 ALAMEDA, CA 94501

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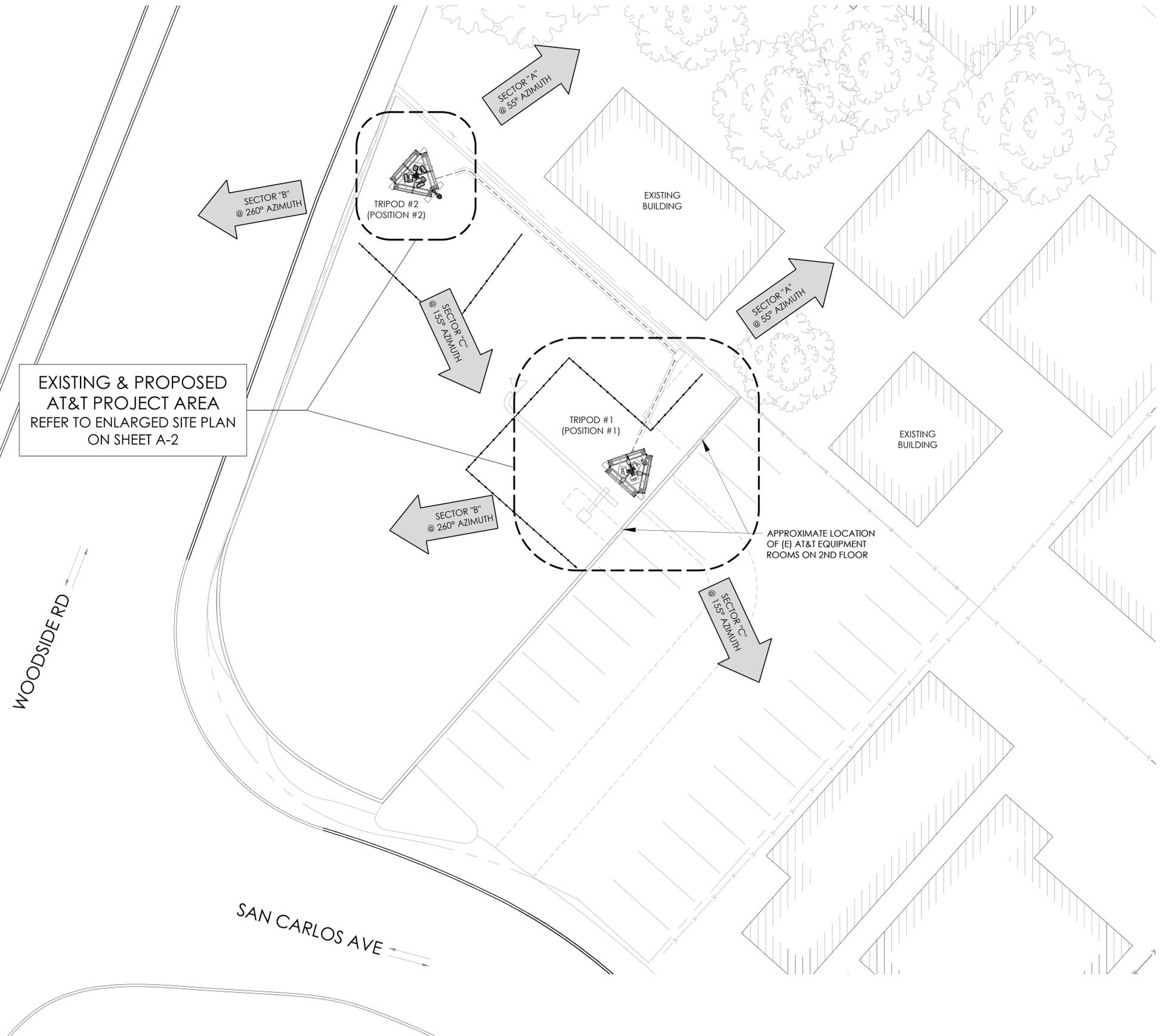
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 94061

Sheet Title:
OVERALL SITE PLAN

Sheet Number:
A-1



EXISTING & PROPOSED
 AT&T PROJECT AREA
 REFER TO ENLARGED SITE PLAN
 ON SHEET A-2



Vendor:



1150 BALLENA BLVD. UNIT 259
ALAMEDA, CA 94501

AT&T Site ID:

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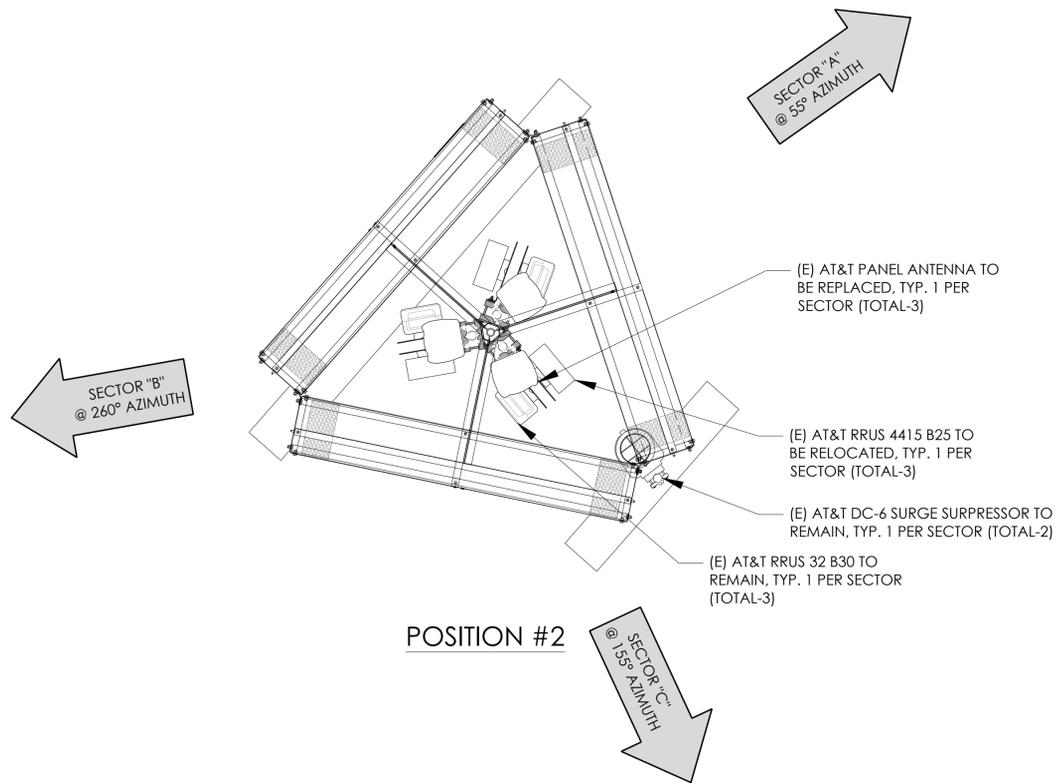
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KENTFIELD
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REDWOOD CITY, CA
94061

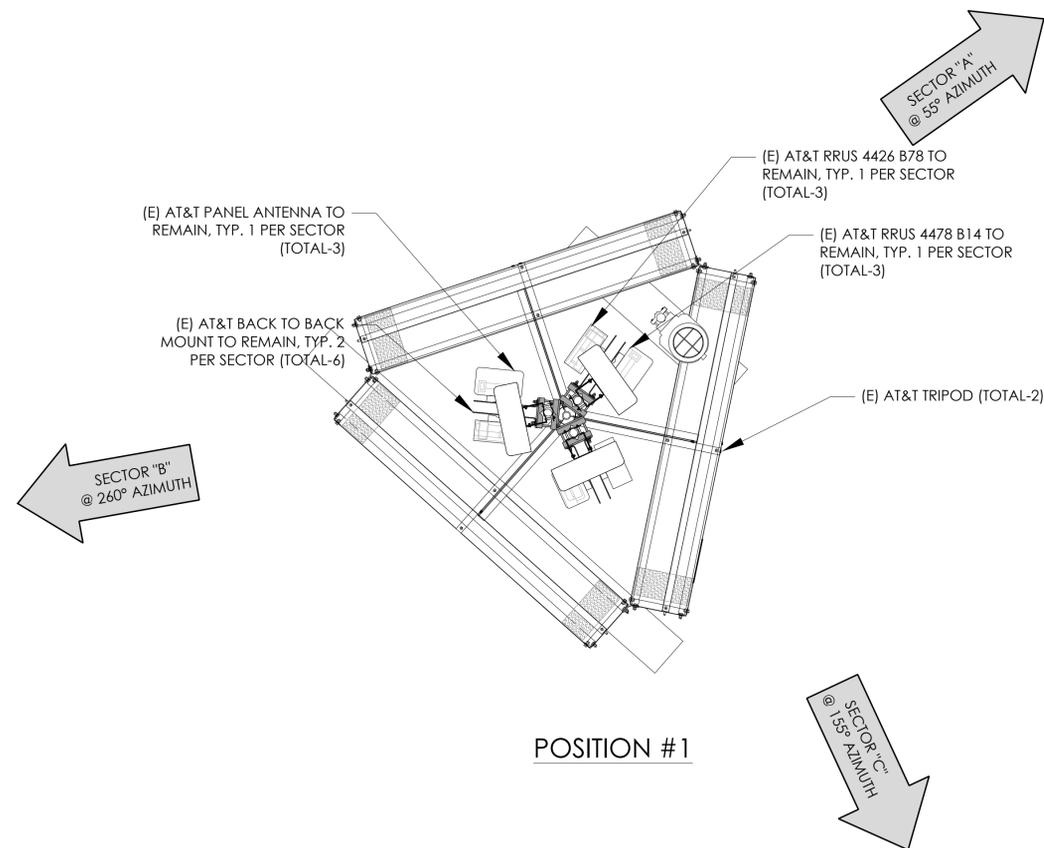
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**EXISTING & PROPOSED
ANTENNA PLANS**

Sheet Number:

A-3

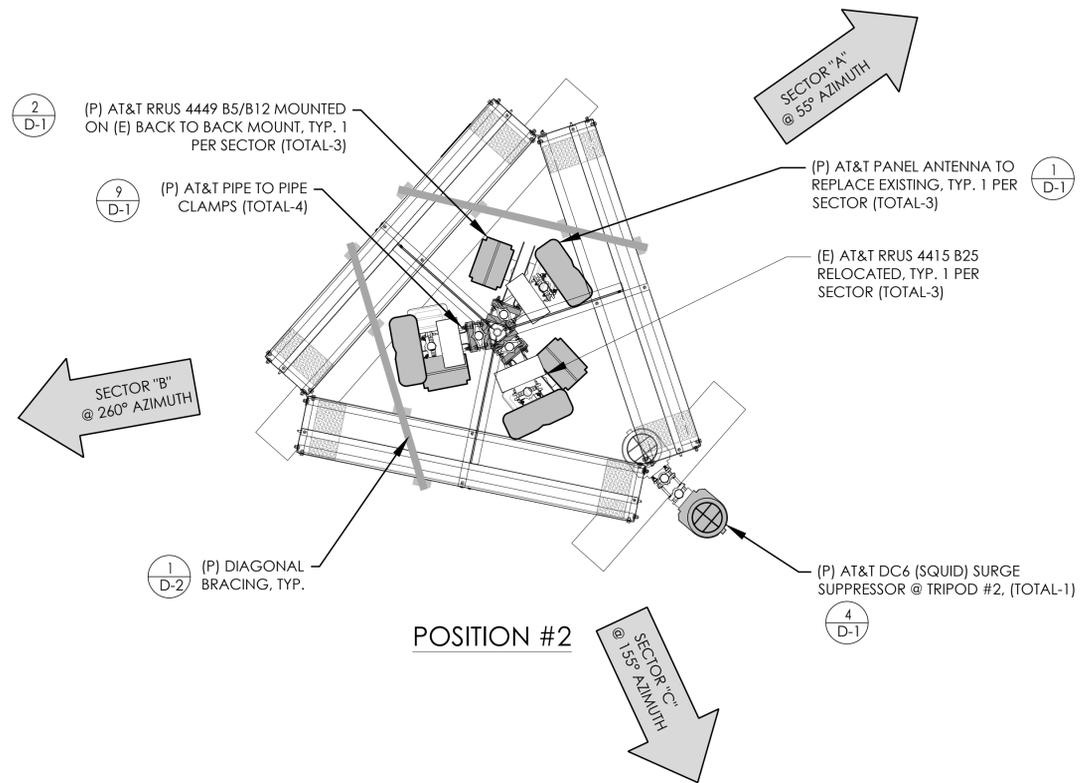


POSITION #2

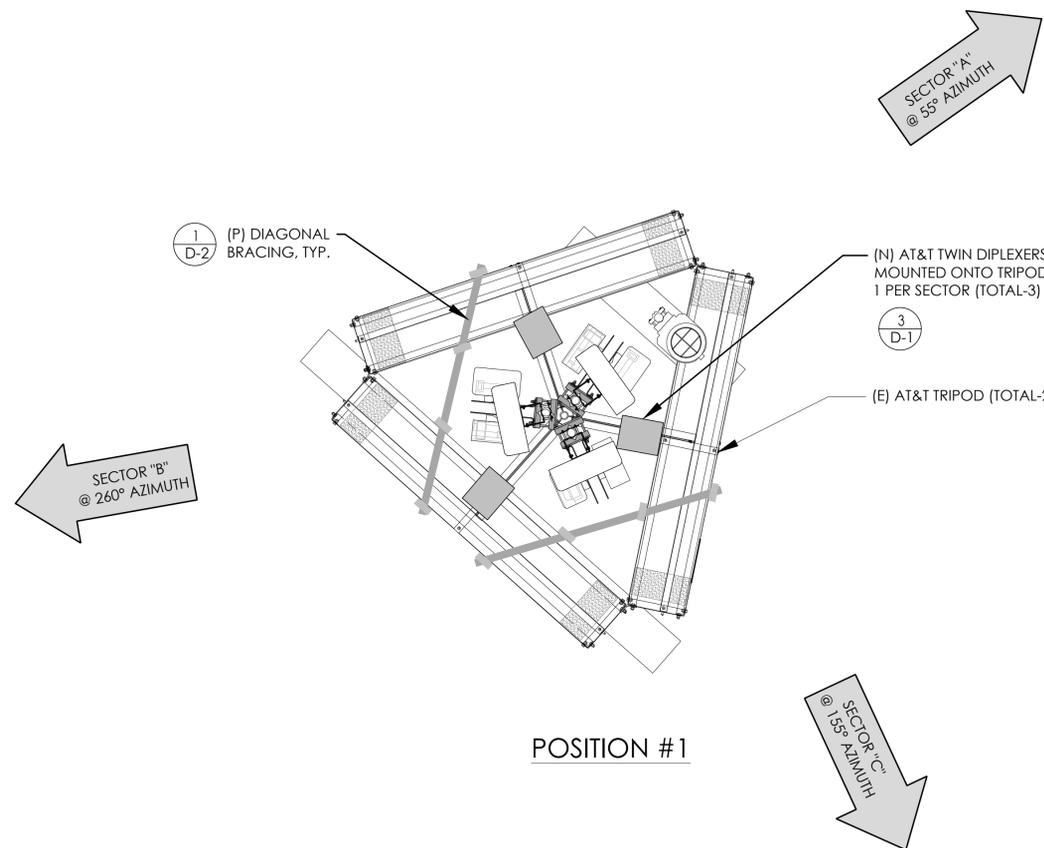


POSITION #1

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



POSITION #2



POSITION #1

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

NOTE:
 (E) ANTENNA AZIMUTHS ARE ESTIMATED AND ARE TO BE VERIFIED BY RF.

NOTES TO CONTRACTOR:
 1. CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.
 2. CABLE LENGTHS WERE DETERMINED BASED ON VISUAL INSPECTION DURING SITE-WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK.
 3. CONTRACTOR TO VERIFY PORTS HAVE SUFFICIENT ROOM.

PREPARED FOR



5001 EXECUTIVE PKWY,
 SAN RAMON CA 94583

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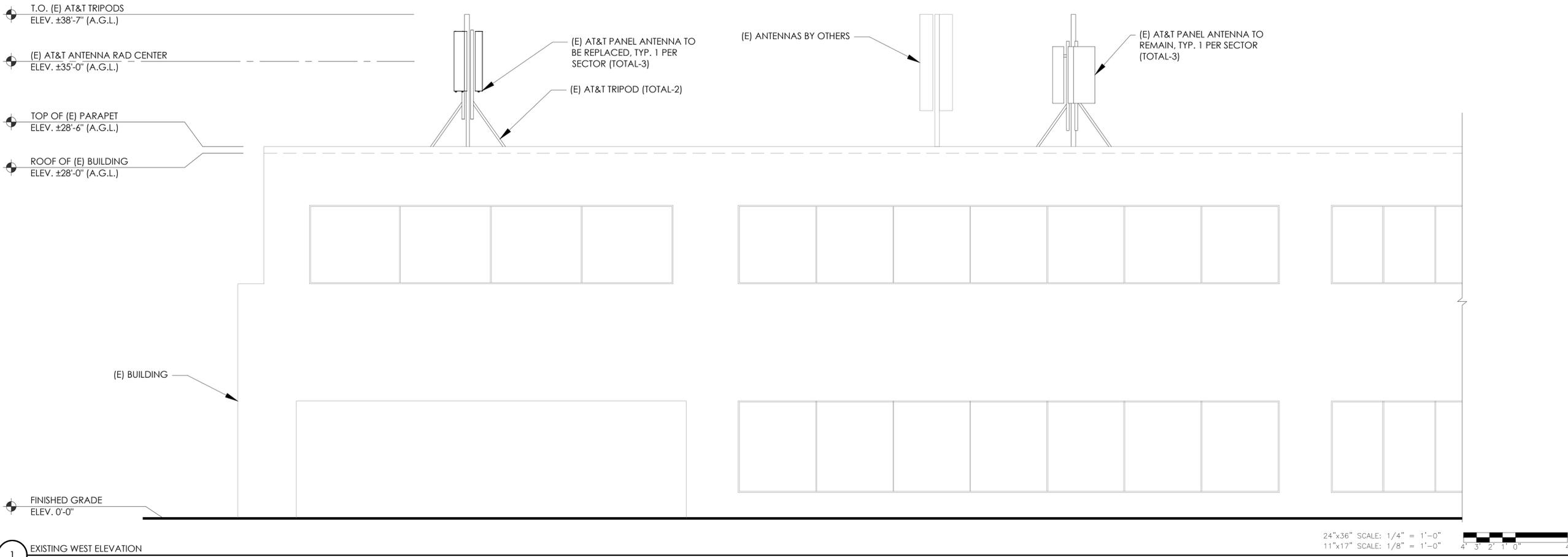
Sheet Title:

**PROPOSED
 RF SCHEDULE**

Sheet Number:

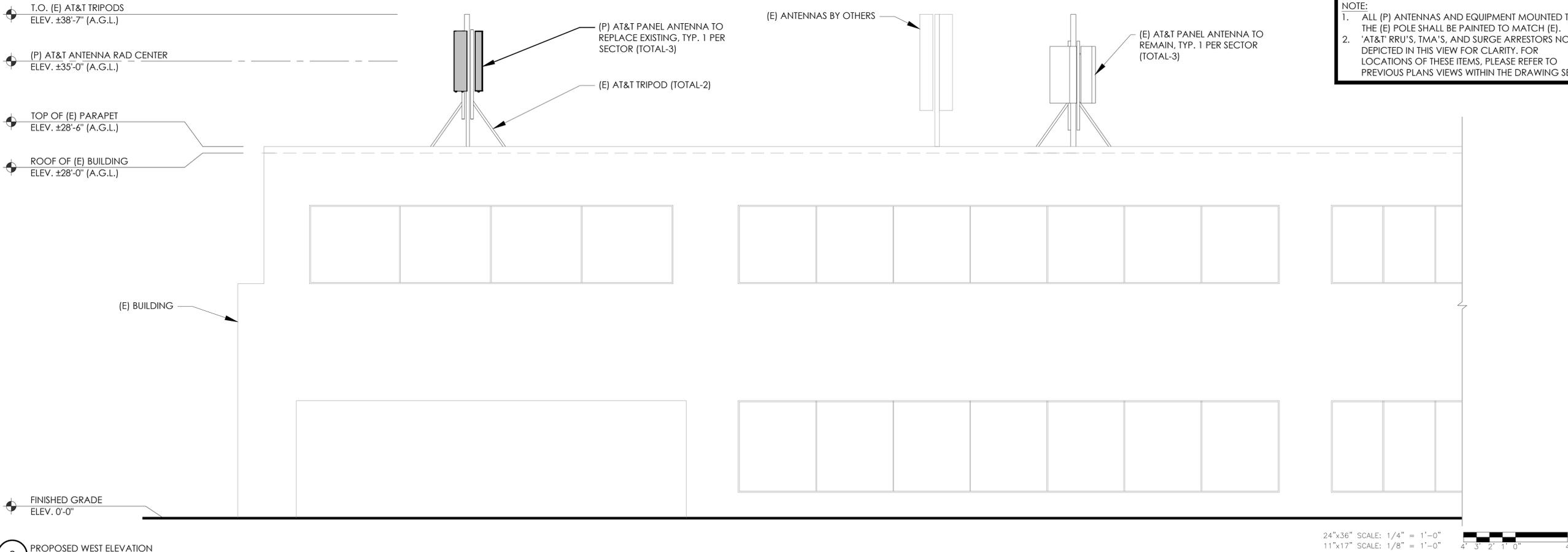
A-3.1

Position	Antenna				RRU, TMA, Diplexer, Etc.				Additional Antenna Information				Line Information					
	Use Existing/ Swap/New	Type		Technology		Existing		Proposed		Azimuth		RAD Center		Coax Cables		Power/Fiber		
		Existing	Final	Existing	Final	Type	Location	Type	Location	Existing	Final	Existing	Final	Existing	Final	Existing	Final	
ALPHA																		
1	USE EXISTING	KATHREIN 800-10964K	KATHREIN 800-10964K	LTE 700 LTE AWS	LTE 700 LTE AWS UMTS 850	RRUS 4478 B14 RRUS 4426 B66	TOP TOP	RRUS 4478 B14 RRUS 4426 B66	TOP TOP	55	55	35	35	(12) 7/8"	(10) 7/8"	(4) 0.8" dia power trunk cables + (2) 0.4" dia fiber trunk cables	(6) 0.8" dia power trunk cables + (3) 0.4" dia fiber trunk cables	
2	SWAP	QUINTEL QS46512-2	COMMSCOPE NNH4-65A-R6H4	LTE 700 LTE 1900 LTE WCS UMTS 850	LTE 700 5G 850 LTE 1900 LTE WCS	RRUS-11 B12 RRU 4415 B25 RRUS-32 B30	BOTTOM TOP TOP	RRUS 4449 B5/B12 RRU 4415 B25 RRUS-32 B30	TOP TOP TOP	55	55	35	35					
BETA																		
1	USE EXISTING	KATHREIN 800-10964K	KATHREIN 800-10964K	LTE 700 LTE AWS	LTE 700 LTE AWS UMTS 850	RRUS 4478 B14 RRUS 4426 B66	TOP TOP	RRUS 4478 B14 RRUS 4426 B66	TOP TOP	260	260	35	35	(12) 7/8"	(10) 7/8"			(4) 0.8" dia power trunk cables + (2) 0.4" dia fiber trunk cables
2	SWAP	QUINTEL QS46512-2	COMMSCOPE NNH4-65A-R6H4	LTE 700 LTE 1900 LTE WCS UMTS 850	LTE 700 5G 850 LTE 1900 LTE WCS	RRUS-11 B12 RRU 4415 B25 RRUS-32 B30	BOTTOM TOP TOP	RRUS 4449 B5/B12 RRU 4415 B25 RRUS-32 B30	TOP TOP TOP	260	260	35	35					
GAMMA																		
1	USE EXISTING	KATHREIN 800-10964K	KATHREIN 800-10964K	LTE 700 LTE AWS	LTE 700 LTE AWS UMTS 850	RRUS 4478 B14 RRUS 4426 B66	TOP TOP	RRUS 4478 B14 RRUS 4426 B66	TOP TOP	155	155	35	35	(12) 7/8"	(10) 7/8"	(4) 0.8" dia power trunk cables + (2) 0.4" dia fiber trunk cables	(6) 0.8" dia power trunk cables + (3) 0.4" dia fiber trunk cables	
2	SWAP	QUINTEL QS46512-2	COMMSCOPE NNH4-65A-R6H4	LTE 700 LTE 1900 LTE WCS UMTS 850	LTE 700 5G 850 LTE 1900 LTE WCS	RRUS-11 B12 RRU 4415 B25 RRUS-32 B30	BOTTOM TOP TOP	RRUS 4449 B5/B12 RRU 4415 B25 RRUS-32 B30	TOP TOP TOP	155	155	35	35					



1 EXISTING WEST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4'



2 PROPOSED WEST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4'

NOTE:
 1. ALL (P) ANTENNAS AND EQUIPMENT MOUNTED TO THE (E) POLE SHALL BE PAINTED TO MATCH (E).
 2. 'AT&T' RRU'S, TMA'S, AND SURGE ARRESTORS NOT DEPICTED IN THIS VIEW FOR CLARITY. FOR LOCATIONS OF THESE ITEMS, PLEASE REFER TO PREVIOUS PLANS VIEWS WITHIN THE DRAWING SET

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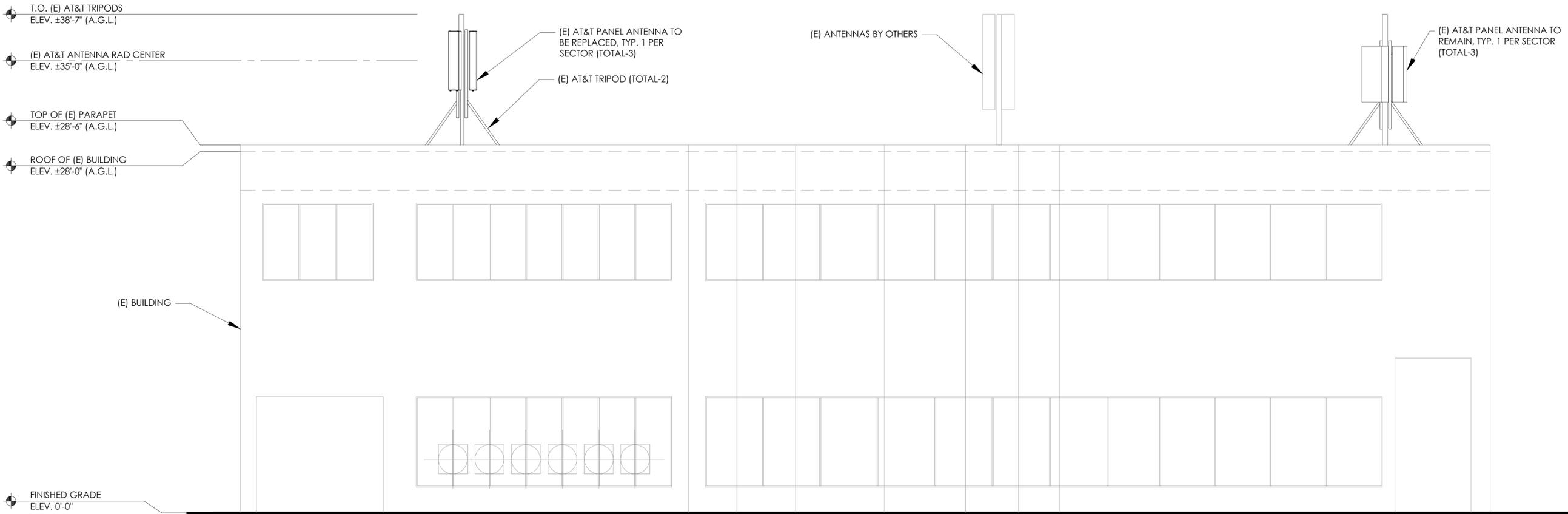
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Sheet Title:

WEST ELEVATIONS

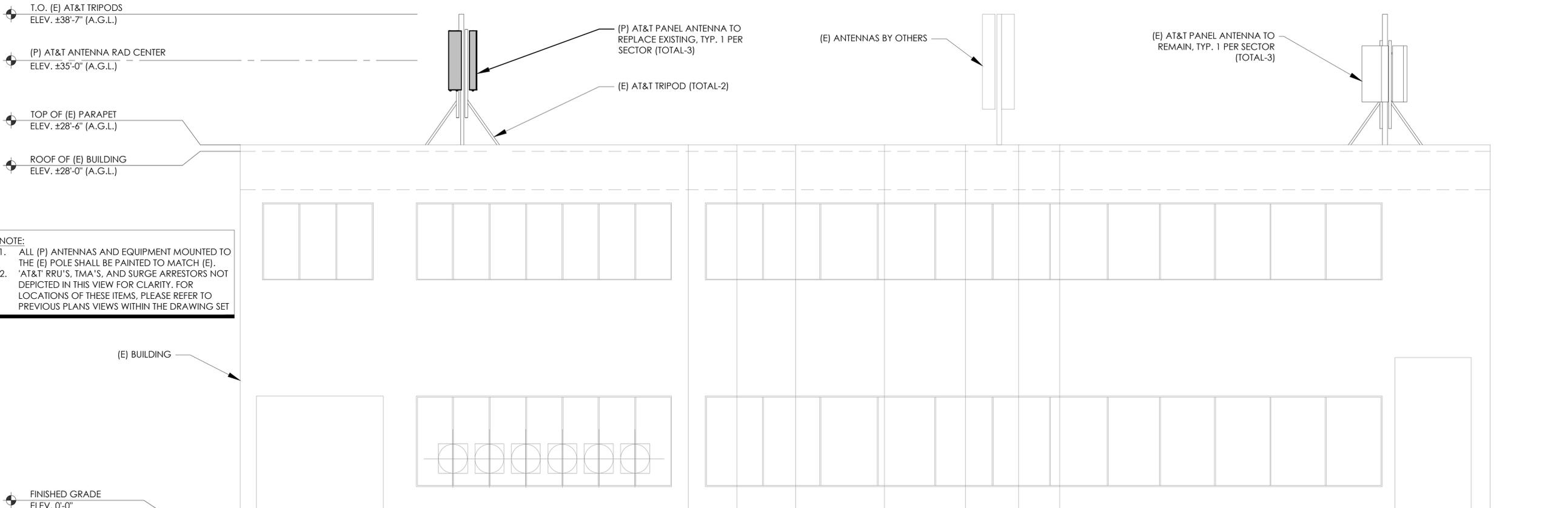
Sheet Number:

A-4



1 EXISTING SOUTHWEST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"



2 PROPOSED SOUTHWEST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"

NOTE:
 1. ALL (P) ANTENNAS AND EQUIPMENT MOUNTED TO THE (E) POLE SHALL BE PAINTED TO MATCH (E).
 2. AT&T RRU'S, TMA'S, AND SURGE ARRESTORS NOT DEPICTED IN THIS VIEW FOR CLARITY. FOR LOCATIONS OF THESE ITEMS, PLEASE REFER TO PREVIOUS PLANS VIEWS WITHIN THE DRAWING SET

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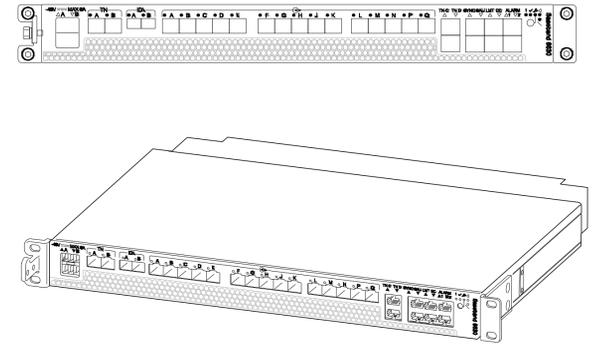
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Sheet Title:
SOUTHWEST ELEVATIONS

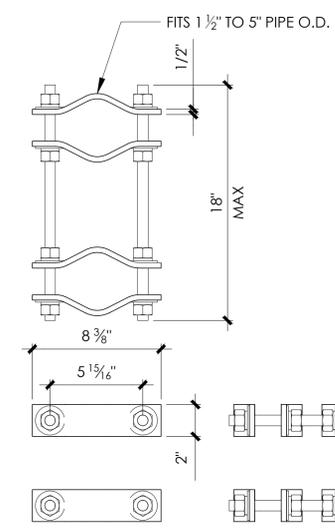
Sheet Number:
A-5

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

EQUIPMENT SPECIFICATIONS
MFG: ERICSSON
MODEL: BASEBAND 6630
HEIGHT: 1.75 IN
LENGTH: 13.86 IN
WIDTH: 19 IN
WEIGHT: 14.33 LBS



9 BASEBAND 6630
N.T.S.

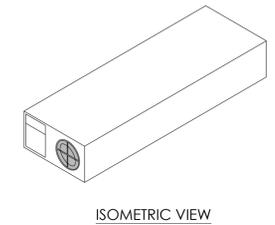
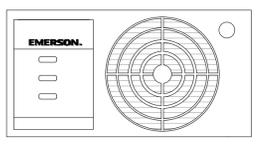


CLAMP SPECIFICATIONS:
MANUFACTURER: VALMONT
MODEL: DCP18K
WEIGHT: 29.10 LBS

7 PIPE TO PIPE CLAMP SET
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

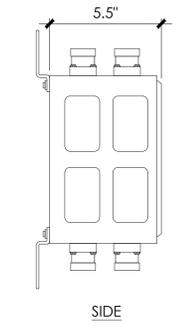
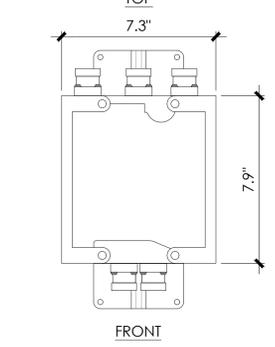
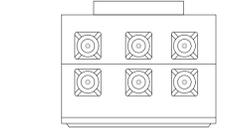
EQUIPMENT SPECIFICATIONS
MFG: EMERSON
MODEL: R48-2000E3
HEIGHT: 1.70 IN
WIDTH: 3.30 IN
DEPTH: 9.90 IN
WEIGHT: 2.49 LBS



5 RECTIFIER MODULE
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

SPECIFICATIONS
MFG: COMMSCOPE
MODEL: CBC7821-DF-2X
HEIGHT: 7.9 IN
WIDTH: 7.3 IN
DEPTH: 5.5 IN
WEIGHT: 15.4 LBS



3 CBC78-DF-2X DIPLEXER
N.T.S.

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SAN RAMON CA 94583

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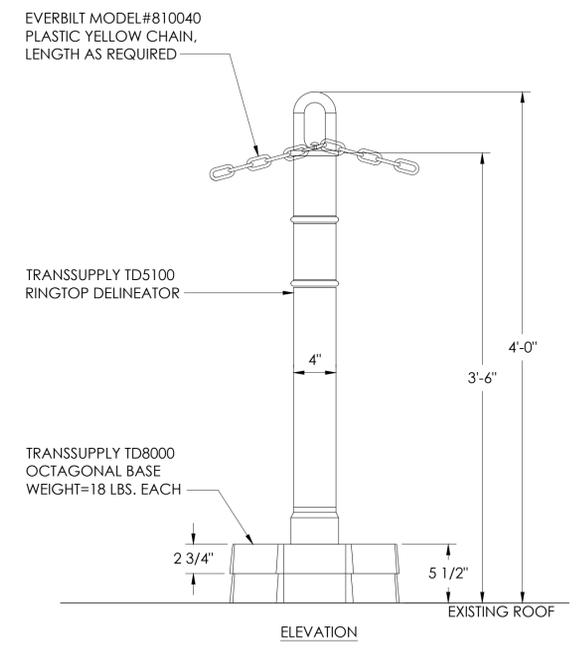
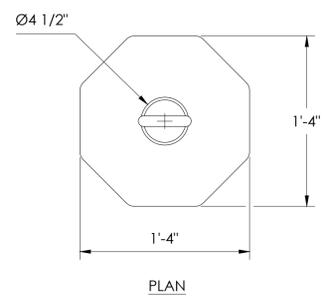
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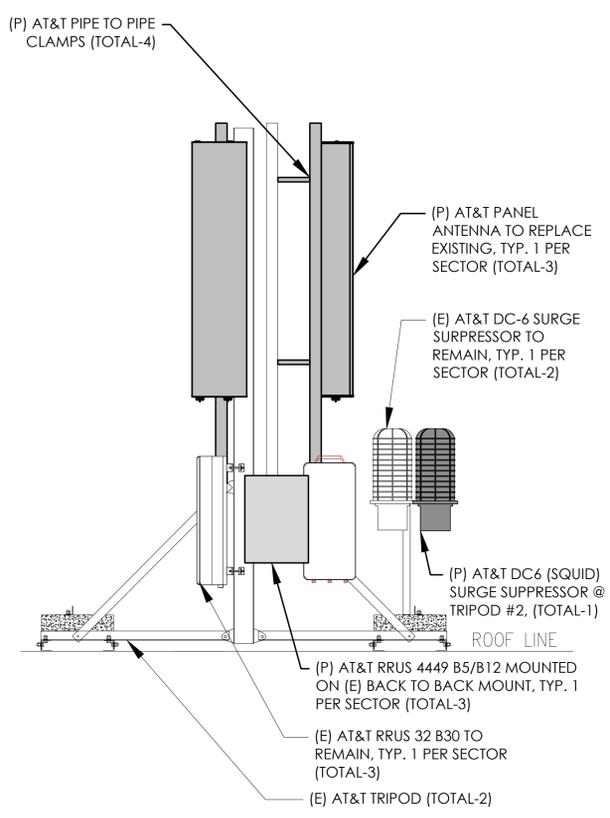
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DETAILS

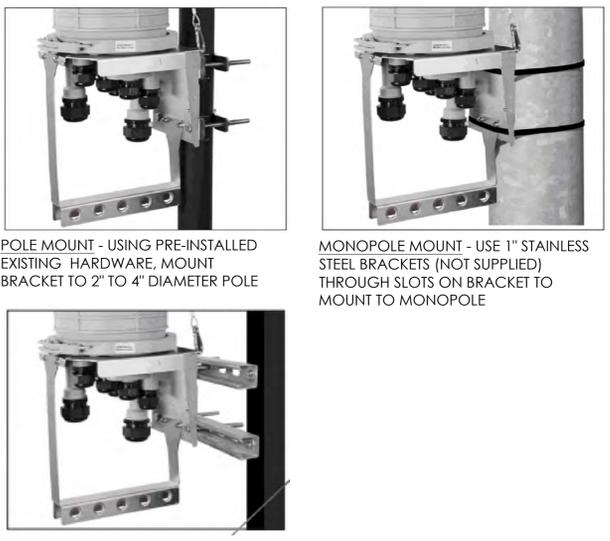
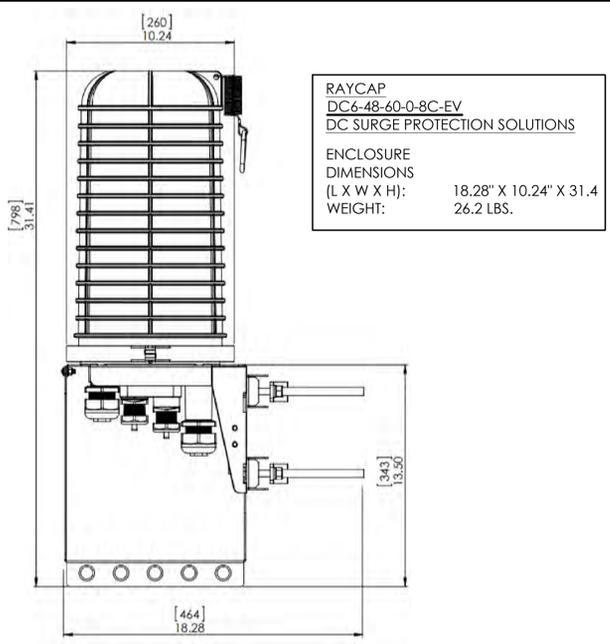
Sheet Number:
D-1



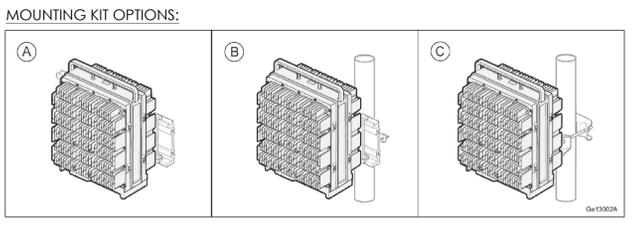
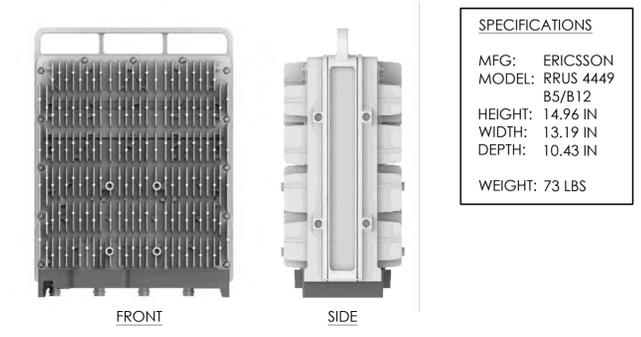
8 BASEBAND 6630
N.T.S.



6 ANTENNA MOUNT ELEVATION
N.T.S.

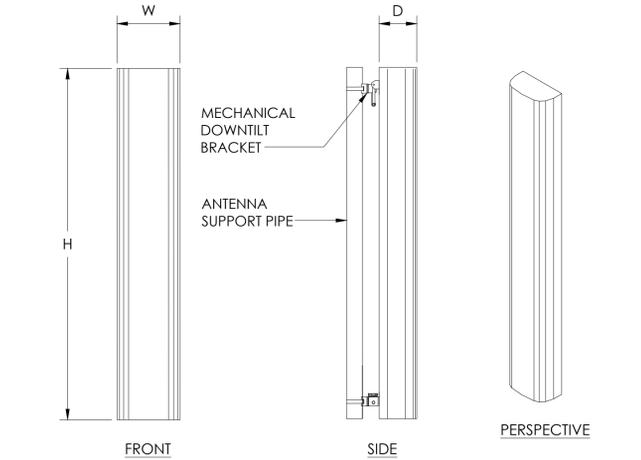


4 DC-6 - DC SURGE PROTECTION SOLUTIONS
N.T.S.



2 RRU5 4449 SPECIFICATION
N.T.S.

SPECIFICATIONS
MFG / MODEL / PORT: COMMSCOPE / NNH4-65A-R6H4 / 12
DIMENSIONS: 55.1\"/>



1 ANTENNA SPECIFICATIONS
N.T.S.

NOTES TO CONTRACTOR:
 1. CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.

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Sheet Title:
**PLUMBING
 DIAGRAM**

Sheet Number:
RF-1

Diagram - Sector: A
 Diagram File Name - 13320-CNU3303-3564457_Final_v1.vsd
 Alt/1 Site Name - CNU3303
 Location Name - ALAMEDA KENTFIELD
 Market - SAN FRANCISCO
 Market Cluster - SAN FRANCISCO/SACRAMENTO

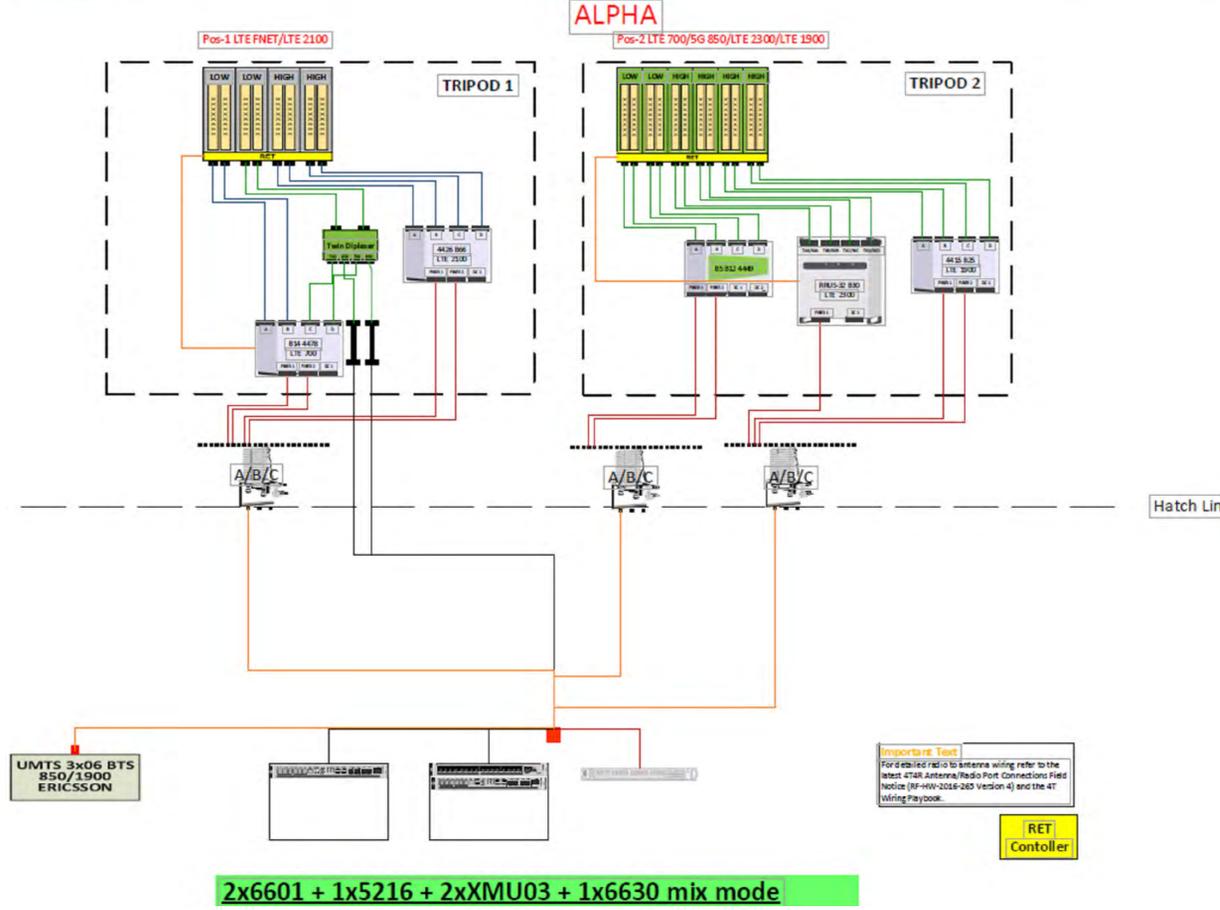
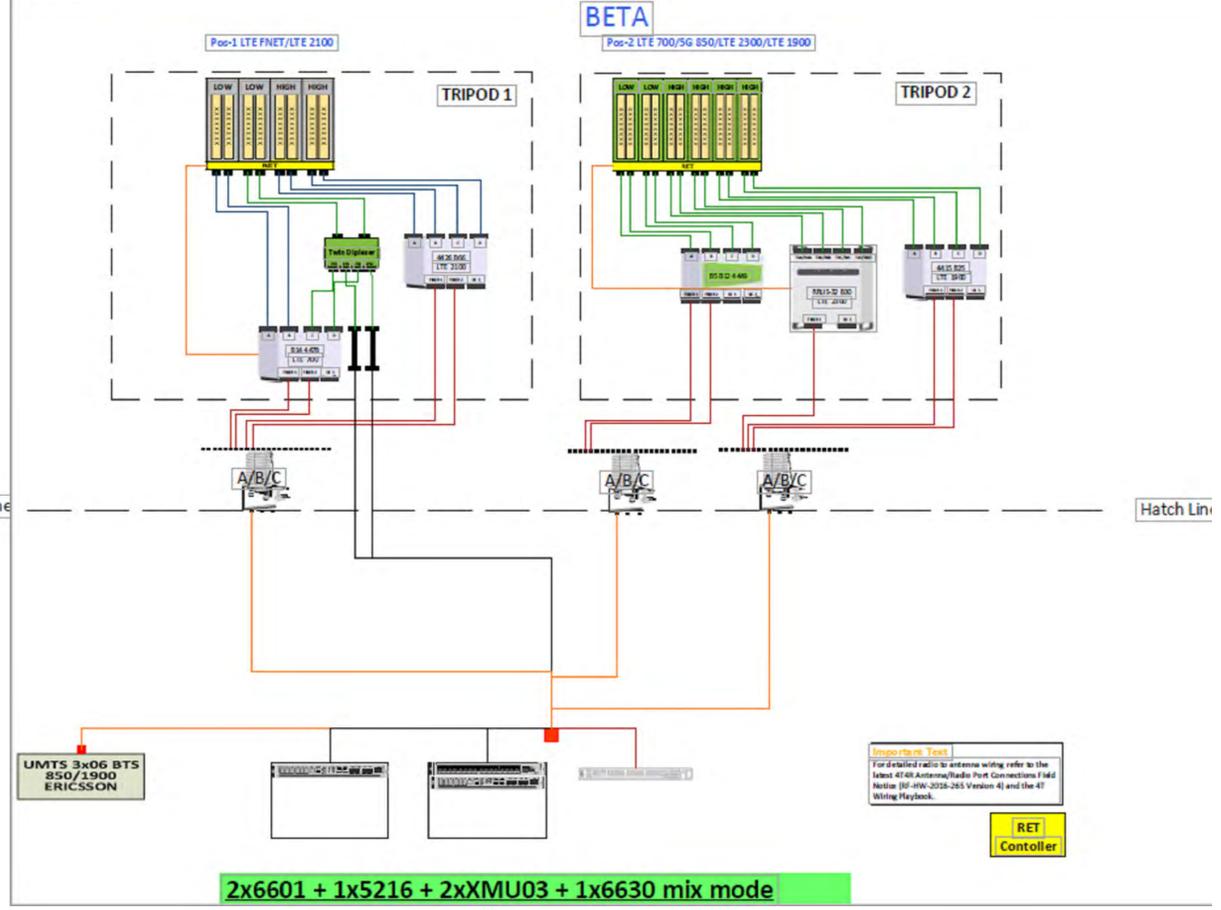


Diagram - Sector: A
 Diagram File Name - 13320-CNU3303-3564457_Final_v1.vsd
 Alt/1 Site Name - CNU3303
 Location Name - ALAMEDA KENTFIELD
 Market - SAN FRANCISCO
 Market Cluster - SAN FRANCISCO/SACRAMENTO



NOTE:
 1. RF SAFETY MEASURES COMPLETED PER EME REPORT COMPLETED ON 04/07/2020, BY "WATERFORD CONSULTANTS, LLC"
 2. ANY OTHER RF REPORT IS FOR REFERENCE ONLY.



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Sheet Title:
EME SIGNAGE LOCATION PLAN (ALPHA)

Sheet Number:
EME-1



CAUTION 2

Compliance Requirement Diagram (Alpha Sector)



Recommendations
 AT&T Mobility Alpha Sector
 Caution 2 posted at each end of the antenna array
 AND
 Caution 2 sign on the barriers
 Materials –
 3 Post
 4 Caution 2 Signs
 Roughly 16' Chain.
 Barriers Space – 16'
 **Barriers must be built a minimum of 6 feet away from unprotected roof edge. Minimum of 36" of parapet wall

 **Caution 2**
 Figure 2.1: Mitigation Recommendations

NOTE:
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 2. ANY OTHER RF REPORT IS FOR REFERENCE ONLY.



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Sheet Title:
**EME SIGNAGE
 LOCATION PLAN
 (BETA)**

Sheet Number:
EME-2



CAUTION 2

Compliance Requirement Diagram (Beta Sector)

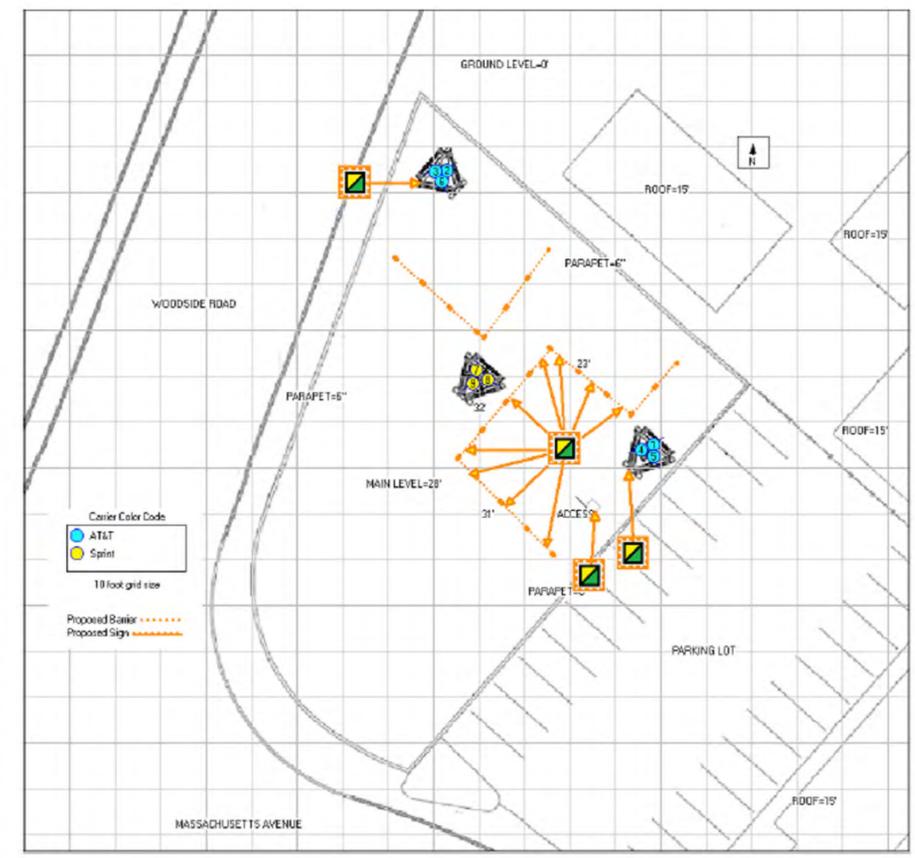


Figure 2.2: Mitigation Recommendations

Recommendations

AT&T Mobility Beta Sector
 Caution 2 posted at each end of the antenna array

AND

Caution 2 sign on the barriers

AND

Restrict access to the rooftop. Caution 2 posted at the access hatch or redesign required to reduce impact to access hatch

Materials –
 12 Post
 11 Caution 2 Signs
 Roughly 86' Chain.

Barriers Space –
 31'x32'x23'

****Barriers must be built a minimum of 6 feet away from unprotected roof edge. Minimum of 36" of parapet wall**

NOTE:
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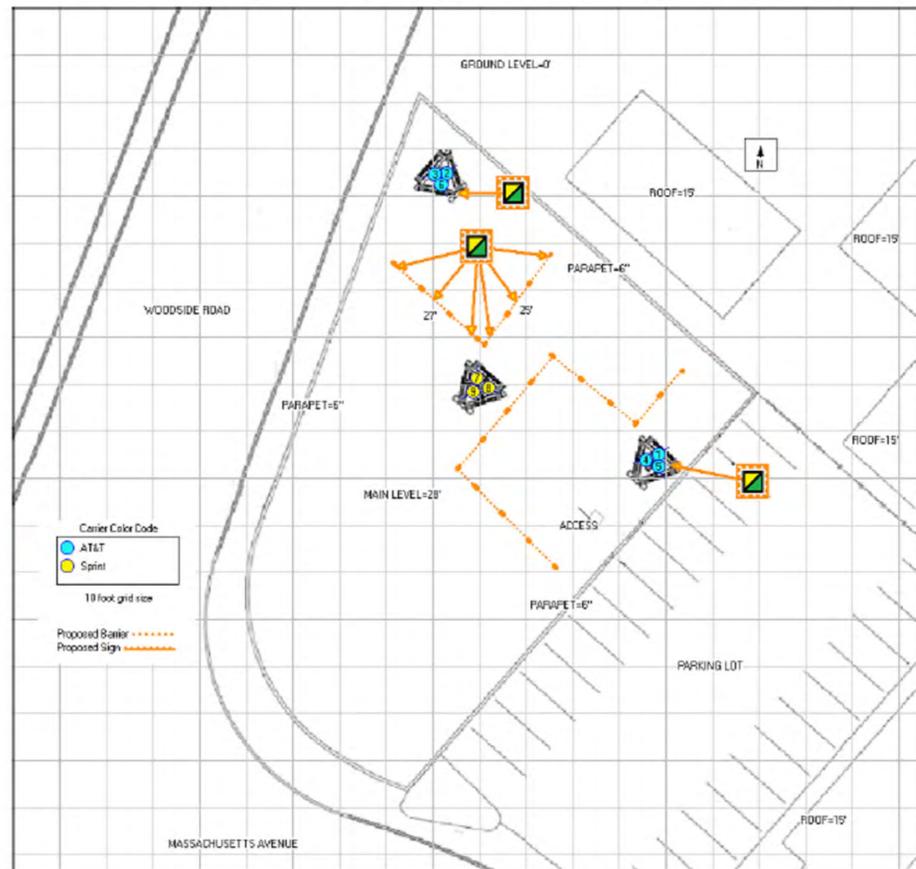
Sheet Title:
**EME SIGNAGE
 LOCATION PLAN
 (GAMMA)**

Sheet Number:
EME-3



CAUTION 2

Compliance Requirement Diagram (Gamma Sector)



Recommendations

AT&T Mobility Gamma Sector
 Caution 2 posted at each end of the antenna array

AND

Caution 2 sign on the barriers

Materials –
 8 Post
 8 Caution 2 Signs
 Roughly 52' Chain.

Barriers Space – 27'x25'

****Barriers must be built a minimum of 6 feet away from unprotected roof edge. Minimum of 36" of parapet wall**



Figure 2.3: Mitigation Recommendations

GROUNDING NOTES:

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
5. GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
6. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
7. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
8. GROUND BARS:
 - A) EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT THE BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
9. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
10. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
11. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
12. IF EQUIPMENT IS IN A C.L. FENCE ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OF GATE. IF CHAIN LINK LID IS USED, THEN GROUND LID ALSO.
13. GROUNDING AT PPC CABINET SHALL BE VERTICALLY INSTALLED.
14. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
15. ALL EMT RUNS SHALL BE GROUNDED AND HAVE A BUSHING, NO PVC ABOVE GROUND.
16. USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OF LUGS.
17. POWER AND TELCO CABINETS SHALL BE GROUNDED (BONDED) TOGETHER.
18. NO LB'S ALLOWED ON GROUNDING.
19. PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON COAX AT ANTENNAS AND DOGHOUSE.
20. ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), AND MANUFACTURER SPECIFICATION.
21. IF THE AC PANEL IN THE POWER CABINET IS WIRED AS SERVICE ENTRANCE, THE AC SERVICE GROUND CONDUCTOR SHALL BE CONNECTED TO GROUND ELECTRODE SYSTEM. WHEN THE AC PANEL IN THE POWER CABINET IS CONSIDERED A SUB-PANEL, THE GROUND WIRE SHALL BE INSTALLED IN THE AC POWER CONDUIT. THE INSTALLATION SHALL BE PER LOCAL AND NATIONAL ELECTRIC CODE (NFPA-70).
22. EXOTHERMIC WELDING IS RECOMMENDED FOR GROUNDING CONNECTION WHERE PRACTICAL. OTHERWISE, THE CONNECTION SHALL BE MADE USING COMPRESSION TYPE-2 HOLES. LONG BARREL LUGS OR DOUBLE CRIMP CLAMP "C" CLAMP. THE COPPER CABLES SHALL BE COATED WITH ANTIOXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TORQUING RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED.
23. THE ANTENNA CABLES SHALL BE GROUNDED AT THE TOP AND BOTTOM OF THE VERTICAL RUN FOR LIGHTNING PROTECTION. THE ANTENNA CABLE SHIELD SHALL BE BONDED TO A COPPER GROUND BUSS AT THE LOWER MOST POINT OF A VERTICAL RUN JUST BEFORE IT BEGINS TO BEND TOWARD THE HORIZONTAL PLANE. WIRE RUNS TO GROUND SHALL BE KEPT AS STRAIGHT AND SHORT AS POSSIBLE. ANTENNA CABLE SHIELD SHALL BE GROUNDED JUST BEFORE ENTERING THE CELL CABINET. ANY ANTENNA CABLES OVER 200 FEET IN LENGTH SHALL ALSO BE EQUIPPED WITH ADDITIONAL GROUNDING AT MID-POINT.

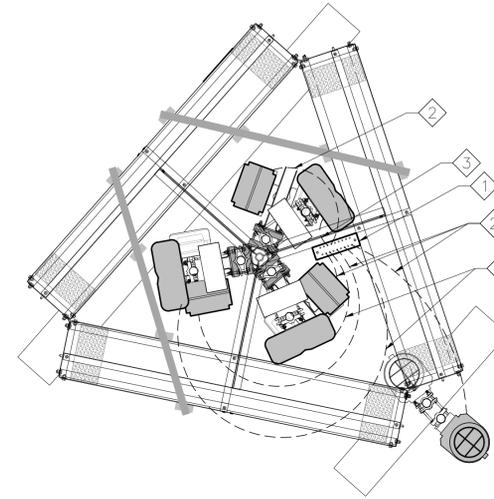
24. ALL GROUNDING CONDUCTORS INSIDE THE BUILDING SHALL BE RUN IN CONDUIT RACEWAY SYSTEM, AND SHALL BE INSTALLED AS STRAIGHT AS PRACTICAL WITH MINOR BENDS TO AVOID OBSTRUCTIONS. THE BENDING RADIUS OF ANY #2 GROUNDING CONDUCTOR IS 8". PVC RACEWAY MAY BE FLEXIBLE OR RIGID PER THE FIELD CONDITIONS. GROUNDING CONDUCTORS SHALL NOT MAKE CONTACT WITH ANY METALLIC CONDUITS, SURFACES OR EQUIPMENT.
25. PROVIDE PVC SLEEVES WHERE GROUNDING CONDUCTORS PASS THROUGH THE BUILDING WALLS AND /OR CEILINGS.
26. INSTALL GROUND BUSHINGS ON ALL METALLIC CONDUITS AND BOND TO THE EQUIPMENT GROUND BUSS IN THE PANEL BOARD.
27. GROUND ANTENNA BASES, FRAMES, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
28. ALL PROPOSED GROUNDING CONDUCTORS SHALL BE ROUTED AND CONNECTED TO THE MAIN GROUND BAR OR EXISTING GROUND RING.

4 GROUNDING NOTES
N.T.S.

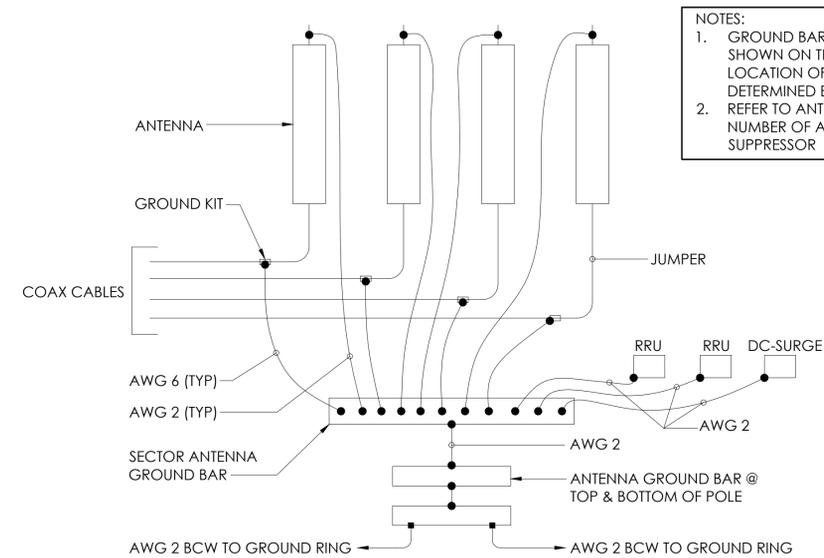
KEY NOTES:

- 1 (E) ANTENNA GROUND BAR TO BE VERIFIED @ FIELD
- 2 AWG 2 INSULATED COPPER GROUND WIRE FROM (P) RRUS AND DC6 TO (E) ANTENNA GROUND BAR
- 3 AWG 6 INSULATED COPPER GROUND WIRE FROM GROUND KIT TO (E) ANTENNA GROUND BAR

- NOTES:
1. REFER TO TYP. ANTENNA GROUNDING DIAGRAM
 2. (E) GROUND WIRES ARE NOT SHOWN FOR CLARITY



3 ANTENNA GROUNDING PLAN (TYP. PER POSITION)
1/2" = 1'-0"



2 TYP. ANTENNA GROUNDING DIAGRAM
N.T.S.

1 NOT USED
1/2" = 1'-0"

PREPARED FOR



5001 EXECUTIVE PKWY,
SAN RAMON CA 94583

Vendor:



1150 BALLENA BLVD, UNIT 259
ALAMEDA, CA 94501

AT&T Site ID:

CCL03303

DRAWN BY: WR

CHECKED BY: SMR

REV	DATE	DESCRIPTION
0	5/12/20	100% CD
A	3/24/20	90% CD

Licenser:



SIGNED: 2020/05/13
EXPIRES: 2021/09/30

It is a violation of law for any persons, unless they are acting under the direction of a licensed professional engineer, to alter this document

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CCL03303

ALAMEDA
KENTFIELD
1391 WOODSIDE ROAD
REDWOOD CITY, CA
94061

Sheet Title:

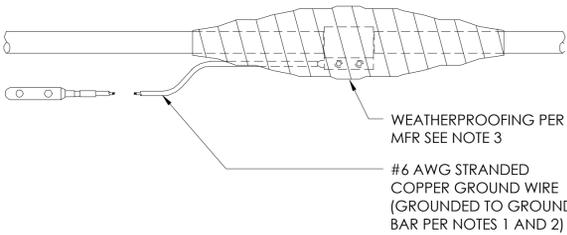
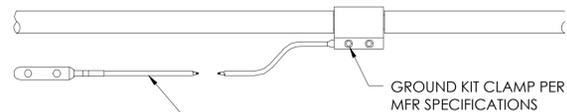
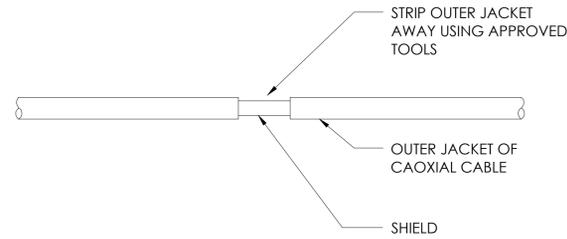
**GROUNDING PLAN
& NOTES**

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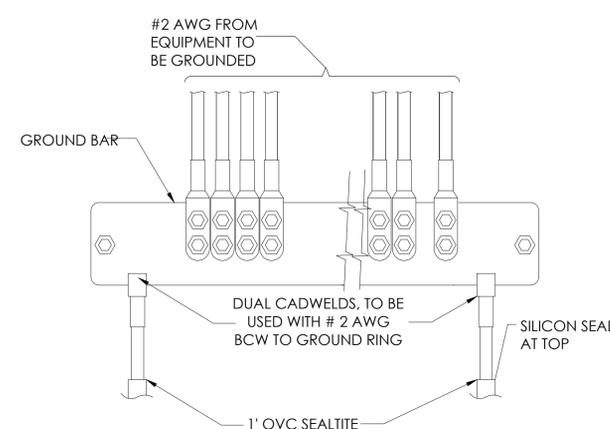
G-1

10 NOT USED
N.T.S.

- NOTES:
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR
 - GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MFR
 - WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY THE CABLE MFR



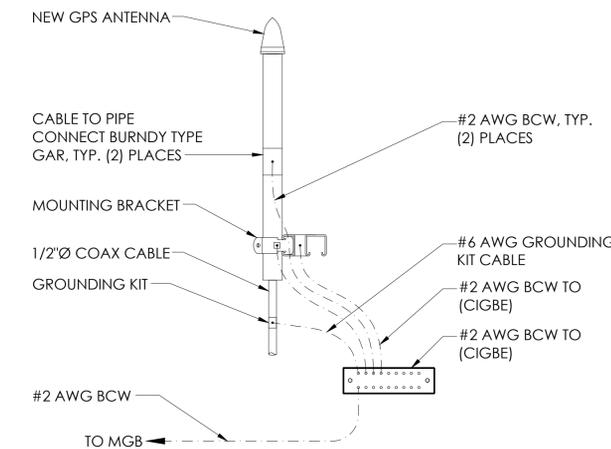
7 GROUND KIT
N.T.S.



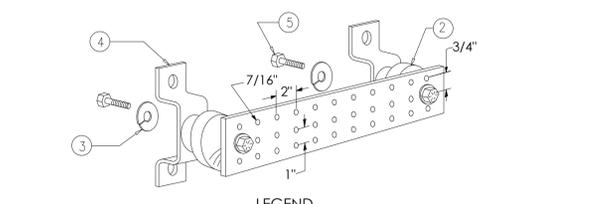
- NOTE:
- CONTRACTOR TO UTILIZE KOPR-SHIELD (THANS & BETTS) ON ALL LUG CONNECTIONS OR APPROVED EQUAL
 - ALL LUGS TO BE DUAL HOLE LONG BARREL AND CRIMPED TWICE WITH MFR'S RECOMMENDED TOOL

5 GROUND BAR CONNECTION
N.T.S.

3 NOT USED
N.T.S.



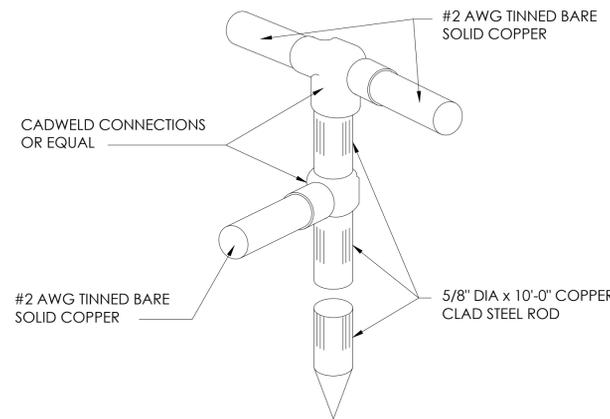
9 GPS ANTENNA GROUNDING
N.T.S.



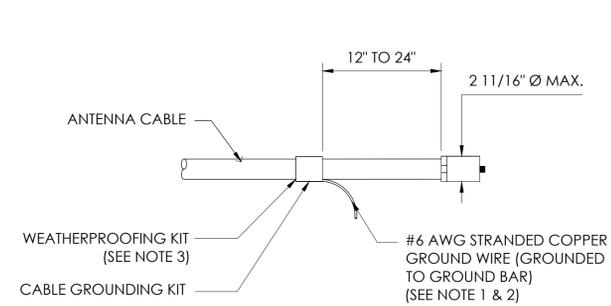
- LEGEND
- COPPER GROUND BAR, "X 1/4" X 20", NEWTON INSTRUMENT CO. CAT. NO. 8-6142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
 - INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR EQUAL
 - 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 OR EQUAL
 - WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056 OR EQUAL
 - 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT NO. 3012-1 OR EQUAL
 - INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPOLE STRUCTURE. CONNECTION TO TOWER/MONOPOLE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS.

NOTE: ALL HARDWARE SHALL BE STAINLESS STEEL

4 GROUND BAR DETAIL
N.T.S.

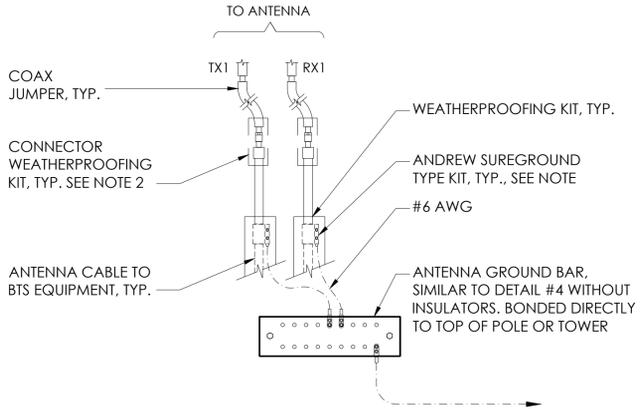


2 GROUND ROD DETAIL
N.T.S.



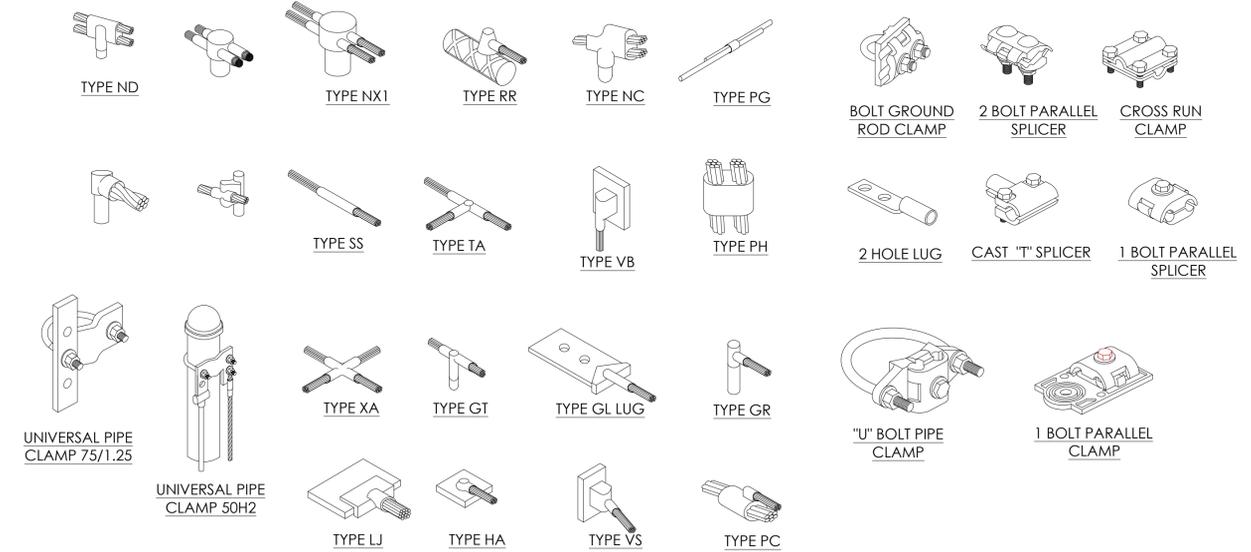
- NOTE:
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT WIRE DOWN TO GROUND BAR.
 - GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
 - WEATHER PROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.)

8 CONNECTION OF GROUND KIT TO ANTENNA CABLE
N.T.S.



- NOTE:
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
 - WEATHER PROOFING SHALL BE ANDREW TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED

6 GROUND CONNECTION TO GROUND BAR
N.T.S.



1 TYPICAL MECHANICAL CONNECTIONS
N.T.S.

PREPARED FOR
AT&T
5001 EXECUTIVE PKWY,
SAN RAMON CA 94583

Vendor:
JS INFRASTRUCTURE
AZ - CA - CO - ID - NM - NV - TX - UT
1150 BALLENA BLVD, UNIT 259
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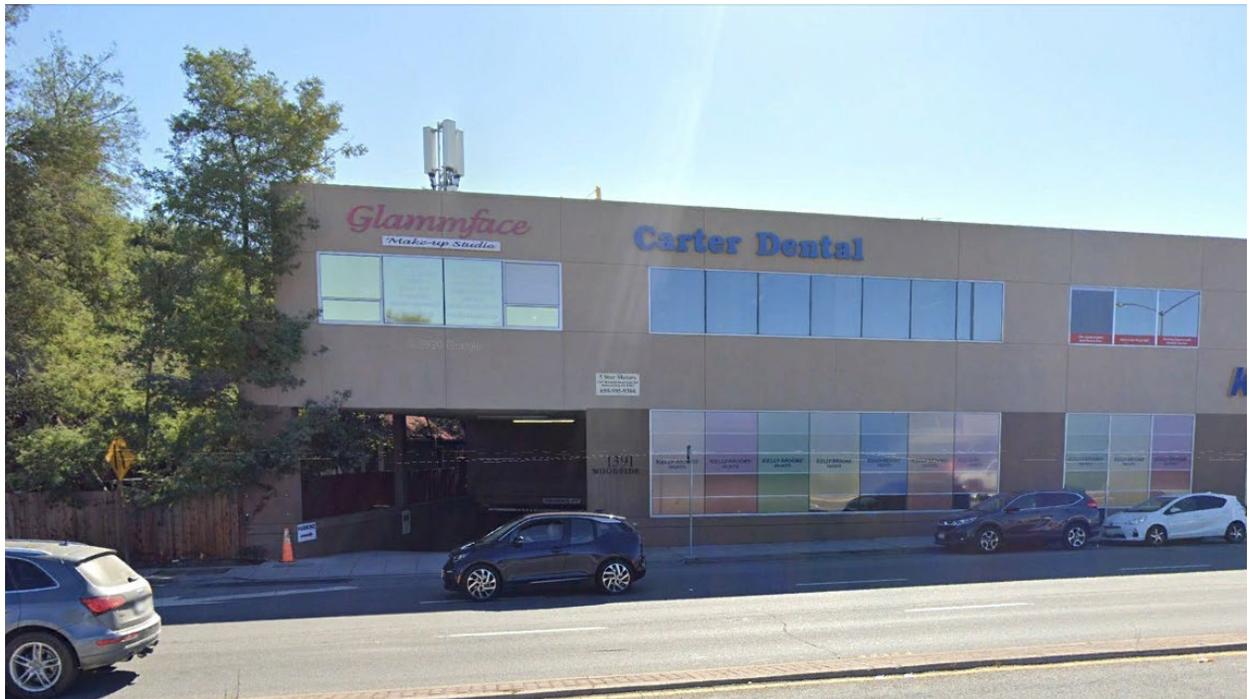
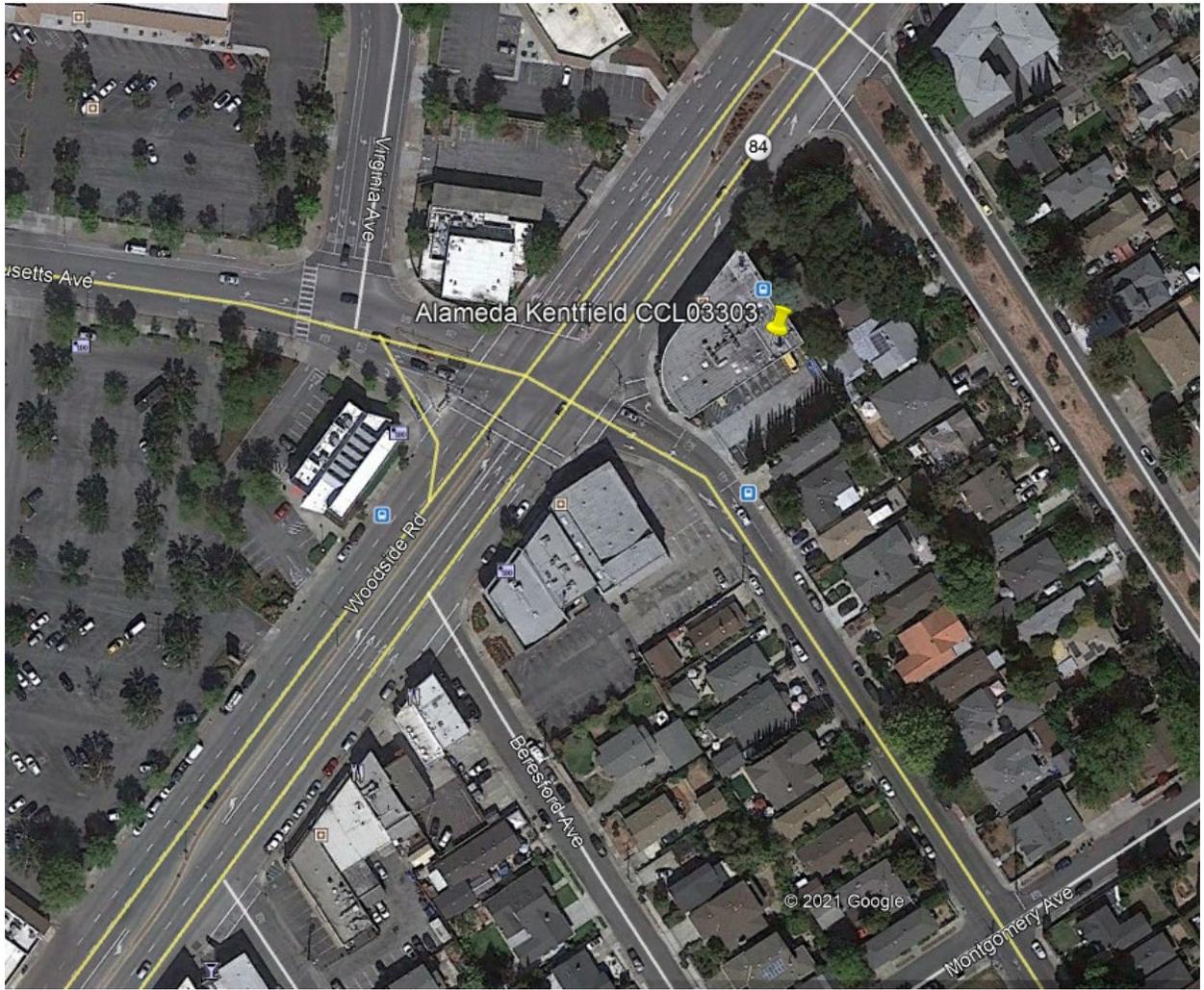
Sheet Title:
GROUNDING DETAILS

Sheet Number:
G-2



County of San Mateo - Planning and Building Department

ATTACHMENT D

















County of San Mateo - Planning and Building Department

ATTACHMENT E

County of San Mateo
Planning and Building Department

FINDINGS AND CONDITIONS OF APPROVAL

Permit or Project File Number: PLN 2002-00109

Hearing Date: May 19, 2011

Prepared By: Summer Burlison

Adopted By: Zoning Hearing Officer

FINDINGS

Regarding the Environmental Review, Found:

1. This project is categorically exempt pursuant to Section 15303, Class 3 of the California Environmental Quality Act (CEQA) related to the new construction of small structures. A Categorical Exemption will be filed upon final approval of the project.

Regarding the Use Permit, Found:

2. That the establishment, maintenance and/or conducting of the use will not, under the circumstances of the particular case, be detrimental to the public welfare or injurious to property or improvements in said neighborhood, since the proposed amendment will not exceed FCC public exposure limits and provides administrative controls for limited rooftop areas that are predicted to exceed the maximum occupational exposure limit. Furthermore, the site will continue to require only minimal routine service visits of the otherwise non-staffed facility, no additional traffic will be generated, and the amendment will not intensify the use of the property.
3. That the amendment request is necessary for the public health, safety, convenience or welfare by enhancing and increasing the capacity and network coverage to the surrounding area to accommodate the growing demand from private citizens and public agencies, including emergency services. Furthermore, there is no evidence to suggest that the operation or proposed modification to this facility has or would cause a detriment to the public health or safety.

CONDITIONS OF APPROVAL

Current Planning Section

1. This approval applies to the proposal, documents and plans described in this report and submitted to and approved by the Zoning Hearing Officer on May 19, 2011. The Community Development Director may approve minor revisions if they are consistent with the intent of and in substantial conformance with this approval.
2. The use permit shall be valid for ten (10) years from the date of final approval, and shall expire on June 3, 2021. The applicant shall apply for renewal of the use permit, and pay applicable renewal fees six (6) months prior to expiration.
3. Any change in use or intensity shall require an amendment to the use permit. Amendment to this use permit requires an application for amendment, payment of applicable fees, and consideration at a public hearing.
4. If a less visually obtrusive and/or reduced height antennas become available for use prior to the issuance of a building permit, the applicant shall present a redesign incorporating this technology into the project and shall present this to the Community Development Director for review.
5. The new antennas shall be painted and maintained the same color as the existing building. Furthermore, all associated facility equipment shall be of non-reflective materials and/or colors. A color sample shall be provided to the Planning Department for review and approval prior to issuance of the building permit. Additionally, prior to final inspection by the Building Inspection Section, the Planning Department shall verify that this condition has been met.
6. Prior to any construction or installation of the antennas, the applicant shall apply for a building permit. The applicant shall comply with all permitting requirements of the Building Inspection Section, prior to initiating and throughout construction.
7. The applicant shall receive and maintain all necessary licenses and registrations from the Federal Communications Commission (FCC) and any other applicable regulatory bodies for the operation of the subject facility at this site. The applicant shall supply the Planning Department with evidence of such licenses and registrations. If any required license is ever revoked, the applicant shall inform the Planning Department of the revocation within ten (10) days of receiving notice of such revocation.
8. The applicant shall not enter into a contract with the landowner or lessee which reserves for one company exclusive use of structures on this site for telecommunications facilities.

9. This facility and all equipment associated with it shall be removed in its entirety by the applicant within ninety (90) days if the FCC license and registration are revoked or if the facility is abandoned or no longer needed. The owner and/or operator of the facility shall notify the Planning Department upon abandonment of the facility.
10. Maintenance for the roof antennas shall only be performed between 9:00 a.m. and 5:00 p.m.
11. There shall be no external lighting associated with this use. Wireless telecommunication facilities shall not be lighted or marked unless required by the FCC or Federal Aviation Administration (FAA).
12. Access to the rooftop shall be limited to only those persons properly trained and equipped with personal protective equipment, such as an RF Personal Monitor.

Building Inspection Section

13. A building permit shall be required for the proposed project.

Menlo Park Fire Protection District

14. Emergency contact information shall be provided at the equipment room.
15. The applicant shall post 4-inch address numbers at the equipment room.
16. The applicant shall contact Fire Inspector Ron Keefer with the Menlo Park Fire Protection District at 650/688-8428 to schedule a final fire inspection. PLEASE BE AWARE THAT 48-HOUR NOTICE IS REQUIRED FOR ALL FIRE INSPECTIONS.