



EXECUTIVE SUMMARY CONDITIONAL USE

HEARING DATE: SEPTEMBER 30, 2021

CONSENT

Record No.: 2021-006247CUA
Project Address: 6202 3rd STREET
Zoning: NC-3 (Neighborhood Commercial, Moderate Scale) Zoning District
40-X Height and Bulk District
Third Street Special Use District
Third Street Alcohol Restricted Use District
Fringe Financial Services Restricted Use District
Block/Lot: 5461/053
Project Sponsor: AT&T Mobility c/o Eric Lentz
5001 Executive Pkwy
San Ramon, CA 9458
Property Owner: Pok Lim Kyong & Pong Sun
6202 3rd Street
San Francisco, CA 9412
Staff Contact: Ella Samonsky – (628) 652-7417
Ella.Samonsky@sfgov.org

Recommendation: Approval with Conditions

Project Description

The Project includes the removal of two omni antennas and antenna mount and three RRUs and installation of a new rooftop AT&T Mobility macro Wireless Telecommunications Service Facility consisting of four antennas within radomes, six RRUs, two surge suppressors and new equipment within existing cabinets on an existing single-story commercial building.

Required Commission Action

In order for the Project to proceed, the Commission must grant a Conditional Use Authorization, pursuant to Planning Code Sections 303 and 712, to allow a new macro Wireless Telecommunications Service (WTS) Facility within the NC-3 Zoning District.

Issues and Other Considerations

- **Public Comment & Outreach.**
 - **Support/Opposition:** The Department has not received any letters in support or in opposition to the Project to date.
 - **Outreach:** The Sponsor held a community meeting on April 27, 2021 at 6:00 PM. There were no attendees at the meeting. One community member contacted the project sponsor after the meeting and had questions regarding the upgrade of wireless services, which were addressed by a project representative.
- **Department of Public Health Review and Approval.** The Project was referred to the Department of Public Health (DPH) for emissions exposure analysis. Radio-Frequency (RF) levels from the proposed AT&T transmitters at any nearby publicly accessible building or area would be 45% of the FCC public exposure limit. Existing RF levels at ground level were around 68% of the FCC public exposure limit, and no other antennas were observed within 100 feet of the Project Site.
- **Location Preference.** The WTS Facilities Siting Guidelines identify preferential zoning districts and building uses for the siting of WTS facilities. The Project Site is a commercial building located within the NC-3 Zoning District and is therefore considered a Location Preference 4 Site (Industrial and Commercial Structures), which is a “preferred location.”

Environmental Review

The Project is exempt from the California Environmental Quality Act (“CEQA”) as a Class 1 categorical exemption.

Basis for Recommendation

The Department finds that the Project is, on balance, consistent with the Wireless Telecommunications Services Facilities Siting Guidelines and the Objectives and Policies of the General Plan. The Project will enhance the ability of the City to protect both life and property from the effects of a fire or natural disaster by providing communications services. The Department also finds the project to be necessary, desirable, and compatible with the surrounding neighborhood, and not to be detrimental to persons or adjacent properties in the vicinity.

Attachments:

Draft Motion – Conditional Use Authorization with Conditions of Approval (Exhibit A)
Exhibit B – Plans and Photo Simulations
Exhibit C – Environmental Determination

Exhibit D – Department of Public Health Approval

Exhibit E – Radio Frequency Report

Exhibit F – Maps and Context Photos



PLANNING COMMISSION DRAFT MOTION

HEARING DATE: September 30, 2021

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40-X Height and Bulk District
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Block/Lot: 5461/053
Project Sponsor: AT&T Mobility c/o Eric Lentz
5001 Executive Pkwy
San Ramon, CA 94585
Property Owner: Pok Lim Kyong & Pong Sun
6202 3rd Street
San Francisco, CA 94124
Staff Contact: Ella Samonsky – (628) 652-7417
Ella.Samonsky@sfgov.org

ADOPTING FINDINGS RELATING TO A CONDITIONAL USE AUTHORIZATION PURSUANT TO PLANNING CODE SECTION 303(c) AND 712, TO INSTALL A NEW ROOFTOP AT&T MOBILITY MACRO WIRELESS TELECOMMUNICATIONS FACILITY CONSISTING OF FOUR (4) NEW ANTENNAS; FOUR (4) NEW FRP ENCLOSURES SIX (6) NEW REMOTE RADIO UNITS (RRU); TWO (2) NEW SURGE SUPPRESSORS AND INSTALL NEW EQUIPMENT WITHIN AN EXISTING CABINET ON THE ROOF OF THE EXISTING ONE-STORY COMMERCIAL BUILDING AS PART OF THE AT&T MOBILITY TELECOMMUNICATIONS NETWORK. THE SUBJECT PROPERTY IS LOCATED AT 6202 3rd STREET, LOT 053 IN ASSESSOR'S BLOCK 5461, WITHIN THE NC-3 (NEIGHBORHOOD COMMERCIAL, MODERATE SCALE) ZONING DISTRICT AND 40-X HEIGHT AND BULK DISTRICT, AND ADOPTING FINDINGS UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT.

PREAMBLE

On June 25, 2021, Eric Lentz for AT&T Mobility (hereinafter "Project Sponsor") filed Application No. 2021-006247PRJ (hereinafter "Application") with the Planning Department (hereinafter "Department") for a Conditional Use Authorization to construct a new Wireless Telecommunications Facility (WTS) consisting of four new antennas, four new FRP enclosures, six new remote radio units (RRU), two new surge suppressors and new equipment in an existing cabinet (hereinafter "Project") at 6202 3rd Street, Block 5461 Lot 053 (hereinafter "Project Site").

On September 30, 2021, the San Francisco Planning Commission (hereinafter "Commission") conducted a duly noticed public hearing at a regularly scheduled meeting on Conditional Use Authorization Application No. 2021-006247CUA.

The Project is exempt from the California Environmental Quality Act ("CEQA") as a Class 1 categorical exemption.

The Planning Department Commission Secretary is the custodian of records; the File for Record No. 2021-6247CUA is located at 49 South Van Ness Avenue, Suite 1400, San Francisco, California.

The Commission has heard and considered the testimony presented to it at the public hearing and has further considered written materials and oral testimony presented on behalf of the applicant, Department staff, and other interested parties.

MOVED, that the Commission hereby authorizes the Conditional Use Authorization as requested in Application No. 2021-006247CUA, subject to the conditions contained in "EXHIBIT A" of this motion, based on the following findings:

FINDINGS

Having reviewed the materials identified in the preamble above, and having heard all testimony and arguments, this Commission finds, concludes, and determines as follows:

- 1. The above recitals are accurate and constitute findings of this Commission.**
- 2. Project Description.** The Project includes the removal of two existing omni antennas and antenna mounts and construction of a new Wireless Telecommunications Facility (WTS) consisting of four new antennas, four new FRP enclosures, six new RRUs, two new surge suppressors and new equipment in an existing cabinet as part of the AT&T Mobility Telecommunications Network on the rooftop of an existing one-story commercial building.
- 3. Site Description and Present Use.** The Project is located on a rectangular lot at the southeast corner of the intersection of Paul Avenue and Third Street. The site has approximately 100 feet of frontage on Paul Street and 50 feet of frontage on Third Street. The site is occupied by a single-story commercial building, containing a restaurant use (dba “B & J’s Burger”) and a surface parking lot.
- 4. Surrounding Properties and Neighborhood.** The Project Site is located within the NC-3 Zoning District in the Bayview Hunters Point Area Plan. The immediate context consists primarily of two story residential buildings south of Paul Avenue, with one to two-story commercial buildings along Third Street, and a mix of PDR uses north of Paul Avenue. Immediately adjacent to the property and across Paul Avenue are churches. Other zoning districts in the vicinity of the Project Site include RH-1 (Residential-House, Single Family), PDR-2 (Production, Distribution and Repair), and the M-1 (Light Industrial) Zoning District.
- 5. Public Outreach and Comments.** The Project Sponsor held a community meeting on April 27, 2021 at 6:00 PM. There were no attendees at the meeting. One community member contacted the project sponsor after the meeting and had questions regarding the upgrade of wireless services, which were addressed by a project representative. The Department has not received correspondence from the public in support or in opposition of the proposed WTS Facility.
- 6. Past History and Actions.** The Planning Commission adopted the *Wireless Telecommunications Services (WTS) Facilities Siting Guidelines* (“Guidelines”) for the installation of wireless telecommunications facilities in 1996. These Guidelines set forth the land use policies and practices that guide the installation and approval of wireless facilities throughout San Francisco. A large portion of the Guidelines was dedicated to establishing location preferences for these installations. The Board of Supervisors, in Resolution No. 635-96, provided input as to where wireless facilities should be located within San Francisco. The Guidelines were updated by the Commission in 2003 and again in 2012, requiring community outreach, notification, and detailed information about the facilities to be installed.

Section 8.1 of the Guidelines outlines Location Preferences for wireless facilities. There are five primary areas where the installation of wireless facilities should be located:

1. Publicly-Used Structures: such facilities as fire stations, utility structures, community facilities, and other public structures;

2. Co-Location Site: encourages installation of facilities on buildings that already have wireless installations;
3. Industrial or Commercial Structures: buildings such as warehouses, factories, garages, service stations;
4. Industrial or Commercial Structures: buildings such as supermarkets, retail stores, banks; and
5. Mixed-Use Buildings in High Density Districts: buildings such as housing above commercial or other non-residential space.

Section 8.1 of the WTS Siting Guidelines further stipulates that the Planning Commission will not approve WTS applications for Preference 5 or below Location Sites unless the application describes (a) what publicly-used building, co-location site or other Preferred Location Sites are located within the geographic service area; (b) what good faith efforts and measures were taken to secure these more Preferred Locations, (c) explains why such efforts were unsuccessful; and (d) demonstrates that the location for the site is essential to meet demands in the geographic service area and the Applicant's citywide networks.

Before the Planning Commission can review an application to install a wireless facility, the Project Sponsor must submit a five-year facilities plan, which must be updated biannually, an emissions report and approval by the Department of Public Health, Section 106 Declaration of Intent, an independent evaluation verifying coverage and capacity, a submittal checklist and details about the facilities to be installed.

Under Section 704(B)(iv) of the 1996 Federal Telecommunications Act, local jurisdictions cannot deny wireless facilities based on Radio Frequency (RF) radiation emissions so long as such facilities comply with the FCC's regulations concerning such emissions.

7. **Location Preference.** The *WTS Facilities Siting Guidelines* identify different types of zoning districts and building uses for the siting of wireless telecommunications facilities. Based on the zoning and land use, the proposed WTS facility is at a Location Preference 4 Site (Industrial and Commercial Structures) according to the *WTS Facilities Siting Guidelines*, making it a desired location.
8. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network is designed to address coverage and capacity needs in the area. The network will operate in the 700 Megahertz (MHZ), 1,930 MHZ, 2,110 MHZ, and 2,305 MHZ bands, which are regulated by the Federal Communications Commission (FCC) and must comply with the FCC-adopted health and safety standards for electromagnetic radiation and radio frequency radiation.
9. **Radiofrequency (RF) Emissions:** The Project Sponsor retained Hammett & Edison, Inc., a radio engineering consulting firm, to prepare a report describing the expected RF emissions from the proposed facility. Pursuant to the Guidelines, the Department of Public Health reviewed the report and determined that the proposed facility complies with the standards set forth in the Guidelines.
10. **Department of Public Health Review and Approval.** The Project was referred to the Department of Public Health (DPH) for emissions exposure analysis. Radio-Frequency (RF) levels from the proposed

AT&T transmitters at any nearby publicly accessible building or area would 45% of the FCC public exposure limit.

There are two antennas existing operated by AT&T Wireless installed on the roof top of the building at 6202 03rd St. Existing RF levels at ground level were around 1% of the FCC public exposure limit. No other antennas were observed within 100 feet of this site. AT&T Wireless does not propose to install any new antennas. The antennas are mounted at a height of 20 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.48 mW/sq cm., which is 68% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 88 feet and does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Workers should not have access to within 33 feet of the front of the antennas while they are in operation. Due to their mounting locations and height, the AT&T antennas would not be accessible to unauthorized persons. Install RF striping (red and yellow) as noted in the RF Report, Figure 3.

11. Coverage and Capacity Verification. The maps, data, and conclusion provided by AT&T to demonstrate the need for outdoor and indoor coverage and capacity have been determined by Hammett & Edison, Inc., an engineering consultant and independent third party, to accurately represent the carrier's present and post-installation conclusions.

12. Maintenance Schedule. The facility would operate without on-site staff but with a maintenance crew visiting the property to service and monitor the facility.

13. Planning Code Compliance. The Commission finds that the Project is consistent with the relevant provisions of the Planning Code in the following manner:

A. **Use.** Per Planning Code Section 712, a Conditional Use Authorization is required for a macro WTS facility (Utility and Infrastructure Use).

14. Conditional Use Findings. Planning Code Section 303 establishes criteria for the Planning Commission to consider when reviewing applications for Conditional Use authorization. On balance, the project complies with said criteria in that:

A. The proposed new uses and building, at the size and intensity contemplated and at the proposed location, will provide a development that is necessary or desirable, and compatible with, the neighborhood or the community.

The Project at 6202 3rd Street is generally desirable and compatible with the surrounding neighborhood because the Project will not conflict with the existing uses of the property and will be designed to be attuned with the surrounding neighborhood. The rooftop location, setback from roof edge, height and design of the proposed facility, including visible screening elements is situated so as to avoid significant visual affect, and to ensure harmony with the existing neighborhood character and promote public safety.

The Project is necessary in order to achieve sufficient indoor and outdoor 4G LTE mobile phone

coverage and data capacity. Recent drive tests in the subject area conducted by the AT&T Mobility Radio Frequency Engineering Team provide that the Project Site is a preferable location, based on factors including quality of coverage and aesthetics.

- B. The proposed project will not be detrimental to the health, safety, convenience or general welfare of persons residing or working in the vicinity. There are no features of the project that could be detrimental to the health, safety or convenience of those residing or working the area, in that:

- (1) Nature of proposed site, including its size and shape, and the proposed size, shape and arrangement of structures;

The Project height and bulk of the existing building will remain the same and will not significantly alter the existing appearance or character of the project vicinity.

- (2) The accessibility and traffic patterns for persons and vehicles, the type and volume of such traffic, and the adequacy of proposed off-street parking and loading;

The Planning Code does not require parking or loading for a telecommunications wireless facility. The proposed use is designed to meet the needs of the immediate neighborhood and should not generate significant amounts of vehicular trips from the immediate neighborhood or citywide.

- (3) The safeguards afforded to prevent noxious or offensive emissions such as noise, glare, dust and odor;

While some noise and dust may result from the installation of the antennas and transceiver equipment, noise or noxious emissions from continued use are not likely to be significantly greater than ambient conditions due to the operation of the wireless communication network.

- (4) Treatment given, as appropriate, to such aspects as landscaping, screening, open spaces, parking and loading areas, service areas, lighting and signs;

The facility will not affect landscaping, open space, required parking, lighting or signage at the Project Site or surrounding area.

- C. That the use as proposed will comply with the applicable provisions of the Planning Code and will not adversely affect the General Plan.

The Project complies with all relevant requirements and standards of the Planning Code and is consistent with objectives and policies of the General Plan as detailed below.

- D. That the use as proposed would provide development that is in conformity with the purpose of the applicable Neighborhood Commercial District.

The Project is consistent with the stated purposed of NC-3 Zoning District in that the facility will be

consistent with the existing scale and character of the area.

15. General Plan Compliance. The Project is, on balance, consistent with the following Objectives and Policies of the General Plan:

COMMERCE AND INDUSTRY ELEMENT

Objectives and Policies

OBJECTIVE 4

IMPROVE THE VIABILITY OF EXISTING INDUSTRY IN THE CITY AND THE ATTRACTIVENESS OF THE CITY AS A LOCATION FOR NEW INDUSTRY.

Policy 4.1

Maintain and enhance a favorable business climate in the City.

Policy 4.2

Promote and attract those economic activities with potential benefit to the City.

COMMUNITY SAFETY ELEMENT

Objectives and Policies

OBJECTIVE 3

ESTABLISH STRATEGIES TO ADDRESS THE IMMEDIATE EFFECTS OF A DISASTER.

Policy 1.20

Increase communication capabilities in preparation for all phases of a disaster and ensure communication abilities extend to hard-to-reach areas and special populations.

Policy 2.4

Bolster the Department of Emergency Management's role as the City's provider of emergency planning and communication, and prioritize its actions to meet the needs of San Francisco.

Policy 2.15

Utilize advancing technology to enhance communication capabilities in preparation for all phases of a disaster, particularly in the high-contact period immediately following a disaster.

Policy 3.7

Develop a system to convey personalized information during and immediately after a disaster.

The Project will improve AT&T Mobility's coverage and capacity within the Bayview neighborhood. The Project will enhance the overall living and working environment for local residents and the workforce by providing communication services for those frequenting Bayview and the City at large. The Project will ensure that residents and visitors have adequate public service in the form of AT&T Mobility telecommunications, and comply with Federal, State and Local performance standards. The Project will

enhance the ability of the City to protect both life and property from the effects of a fire or natural disaster by ensuring the ongoing operation and success of essential communication services.

16. Planning Code Section 101.1(b) establishes eight priority-planning policies and requires review of permits for consistency with said policies. On balance, the project complies with said policies in that:

- A. That existing neighborhood-serving retail uses be preserved and enhanced and future opportunities for resident employment in and ownership of such businesses be enhanced.

The wireless communications network will enhance personal communication services for businesses and customers in the surrounding area.

- B. That existing housing and neighborhood character be conserved and protected in order to preserve the cultural and economic diversity of our neighborhoods.

No residential uses will be displaced or altered in any way by the granting of this Authorization.

- C. That the City's supply of affordable housing be preserved and enhanced,

The Project will have no adverse effect on housing in the vicinity. No housing is located on the project site.

- D. That commuter traffic not impede MUNI transit service or overburden our streets or neighborhood parking.

Due to the nature of the Project and minimal maintenance or repair, municipal transit service will not be significantly impeded and neighborhood parking will not be overburdened.

- E. That a diverse economic base be maintained by protecting our industrial and service sectors from displacement due to commercial office development, and that future opportunities for resident employment and ownership in these sectors be enhanced.

The Project will not cause any displacement of industrial and service sector activity. The Project does not include commercial office development.

- F. That the City achieve the greatest possible preparedness to protect against injury and loss of life in an earthquake.

The Project will be designed and will be constructed to conform to the structural and seismic safety requirements of the Building Code. This proposal will not impact the property's ability to withstand an earthquake.

- G. That landmarks and historic buildings be preserved.

Currently, the Project Site does not contain any City Landmarks or historic buildings.

- H. That our parks and open space and their access to sunlight and vistas be protected from

development.

The Project will not adversely affect parks or open space, nor their access to sunlight or public vistas.

17. The Project is consistent with and would promote the general and specific purposes of the Code provided under Section 101.1(b) in that, as designed, the Project would contribute to the character and stability of the neighborhood and would constitute a beneficial development.
18. The Commission hereby finds that approval of the Conditional Use Authorization would promote the health, safety and welfare of the City.

DECISION

That based upon the Record, the submissions by the Applicant, the staff of the Department and other interested parties, the oral testimony presented to this Commission at the public hearings, and all other written materials submitted by all parties, the Commission hereby **APPROVES Conditional Use Authorization Application No. 2021-006247CUA** subject to the following conditions attached hereto as “EXHIBIT A” in general conformance with plans on file, dated July 30, 2021, and stamped “EXHIBIT B”, which is incorporated herein by reference as though fully set forth.

The Project is exempt from the California Environmental Quality Act (“CEQA”) as a Class 1 categorical exemption.

APPEAL AND EFFECTIVE DATE OF MOTION: Any aggrieved person may appeal this Conditional Use Authorization to the Board of Supervisors within thirty (30) days after the date of this Motion. The effective date of this Motion shall be the date of this Motion if not appealed (after the 30-day period has expired) OR the date of the decision of the Board of Supervisors if appealed to the Board of Supervisors. For further information, please contact the Board of Supervisors at (415) 554-5184, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

Protest of Fee or Exaction: You may protest any fee or exaction subject to Government Code Section 66000 that is imposed as a condition of approval by following the procedures set forth in Government Code Section 66020. The protest must satisfy the requirements of Government Code Section 66020(a) and must be filed within 90 days of the date of the first approval or conditional approval of the development referencing the challenged fee or exaction. For purposes of Government Code Section 66020, the date of imposition of the fee shall be the date of the earliest discretionary approval by the City of the subject development.

If the City has not previously given Notice of an earlier discretionary approval of the project, the Planning Commission’s adoption of this Motion, Resolution, Discretionary Review Action or the Zoning Administrator’s Variance Decision Letter constitutes the approval or conditional approval of the development and the City hereby gives **NOTICE** that the 90-day protest period under Government Code Section 66020 has begun. If the City has already given Notice that the 90-day approval period has begun for the subject development, then this document does not re-commence the 90-day approval period.

I hereby certify that the Planning Commission ADOPTED the foregoing Motion on September 30, 2021.

Jonas P. Ionin
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: September 30, 2021

EXHIBIT A

Authorization

This authorization is for a conditional use to allow a allow AT&T to construct a Macro WTS Facility located at 6202 3rd Street (Lot 053 in Assessor's Block 5461) pursuant to Planning Code Sections 303 and 712 within the NC-3 Zoning District and a 40-X Height and Bulk District; in general conformance with plans, dated July 30, 2021 and stamped "EXHIBIT B" included in the docket for Record No. 2021-006247CUA and subject to conditions of approval reviewed and approved by the Commission on September 30, 2021 under Motion No. XXXXXX. This authorization and the conditions contained herein run with the property and not with a particular Project Sponsor, business, or operator.

Recordation of Conditions Of Approval

Prior to the issuance of the building permit or commencement of use for the Project the Zoning Administrator shall approve and order the recordation of a Notice in the Official Records of the Recorder of the City and County of San Francisco for the subject property. This Notice shall state that the project is subject to the conditions of approval contained herein and reviewed and approved by the Planning Commission on September 30, 2021 under Motion No. XXXXXX.

Printing of Conditions of Approval on Plans

The conditions of approval under the 'Exhibit A' of this Planning Commission Motion No. XXXXXX shall be reproduced on the Index Sheet of construction plans submitted with the site or building permit application for the Project. The Index Sheet of the construction plans shall reference to the Conditional Use authorization and any subsequent amendments or modifications.

Severability

The Project shall comply with all applicable City codes and requirements. If any clause, sentence, section or any part of these conditions of approval is for any reason held to be invalid, such invalidity shall not affect or impair other remaining clauses, sentences, or sections of these conditions. This decision conveys no right to construct, or to receive a building permit. "Project Sponsor" shall include any subsequent responsible party.

Changes and Modifications

Changes to the approved plans may be approved administratively by the Zoning Administrator. Significant changes and modifications of conditions shall require Planning Commission approval of a new Conditional Use authorization.

CONDITIONS OF APPROVAL, COMPLIANCE, MONITORING, AND REPORTING

Performance

1. **Validity.** The authorization and right vested by virtue of this action is valid for three (3) years from the effective date of the Motion. The Department of Building Inspection shall have issued a Building Permit or Site Permit to construct the project and/or commence the approved use within this three-year period.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

2. **Expiration and Renewal.** Should a Building or Site Permit be sought after the three (3) year period has lapsed, the project sponsor must seek a renewal of this Authorization by filing an application for an amendment to the original Authorization or a new application for Authorization. Should the project sponsor decline to so file, and decline to withdraw the permit application, the Commission shall conduct a public hearing in order to consider the revocation of the Authorization. Should the Commission not revoke the Authorization following the closure of the public hearing, the Commission shall determine the extension of time for the continued validity of the Authorization.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

3. **Diligent Pursuit.** Once a site or Building Permit has been issued, construction must commence within the timeframe required by the Department of Building Inspection and be continued diligently to completion. Failure to do so shall be grounds for the Commission to consider revoking the approval if more than three (3) years have passed since this Authorization was approved.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

4. **Extension.** All time limits in the preceding three paragraphs may be extended at the discretion of the Zoning Administrator where implementation of the project is delayed by a public agency, an appeal or a legal challenge and only by the length of time for which such public agency, appeal or challenge has caused delay.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

5. **Conformity with Current Law.** No application for Building Permit, Site Permit, or other entitlement shall be approved unless it complies with all applicable provisions of City Codes in effect at the time of such approval.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463,

www.sfplanning.org

Design – Compliance at Plan Stage

6. **Final Materials.** The Project Sponsor shall continue to work with Planning Department on the building design. Final materials, glazing, color, texture, landscaping, and detailing shall be subject to Department staff review and approval. The architectural addenda shall be reviewed and approved by the Planning Department prior to issuance.

For information about compliance, contact the Case Planner, Planning Department at 628.652.7417, www.sfplanning.org

7. **Rooftop Mechanical Equipment.** Pursuant to Planning Code 141, the Project Sponsor shall submit a roof plan to the Planning Department prior to Planning approval of the building permit application. Rooftop mechanical equipment, if any is proposed as part of the Project, is required to be screened so as not to be visible from any point at or below the roof level of the subject building.

For information about compliance, contact the Case Planner, Planning Department at 628-652-7417, www.sfplanning.org

8. **Plan Drawings - WTS.** Prior to the issuance of any building or electrical permits for the installation of the facilities, the Project Sponsor shall submit final scaled drawings for review and approval by the Planning Department ("Plan Drawings"). The Plan Drawings shall describe:

- A. **Structure and Siting.** Identify all facility related support and protection measures to be installed. This includes, but is not limited to, the location(s) and method(s) of placement, support, protection, screening, paint and/or other treatments of the antennas and other appurtenances to insure public safety, insure compatibility with urban design, architectural and historic preservation principles, and harmony with neighborhood character.
- B. **For the Project Site,** regardless of the ownership of the existing facilities. Identify the location of all existing antennas and facilities; and identify the location of all approved (but not installed) antennas and facilities.
- C. **Emissions.** Provide a report, subject to approval of the Zoning Administrator, that operation of the facilities in addition to ambient RF emission levels will not exceed adopted FCC standards with regard to human exposure in uncontrolled areas.

For information about compliance, contact the Case Planner, Planning Department at 628.652.7417, www.sfplanning.org

9. **Screening - WTS.** To the extent necessary to ensure compliance with adopted FCC regulations regarding human exposure to RF emissions, and upon the recommendation of the Zoning Administrator, the Project Sponsor shall:

- A. Modify the placement of the facilities;
- B. Install fencing, barriers or other appropriate structures or devices to restrict access to the facilities;
- C. Install multi-lingual signage, including the RF radiation hazard warning symbol identified in ANSI C95.2 1982, to notify persons that the facility could cause exposure to RF emissions;
- D. Implement any other practice reasonably necessary to ensure that the facility is operated in compliance with adopted FCC RF emission standards.
- E. To the extent necessary to minimize visual obtrusion and clutter, installations shall conform to the following standards:
- F. Antennas and back up equipment shall be painted, fenced, landscaped or otherwise treated architecturally so as to minimize visual effects;
- G. Rooftop installations shall be setback such that back up facilities are not viewed from the street;
- H. Antennae attached to building facades shall be so placed, screened or otherwise treated to minimize any negative visual impact; and
- I. Although co location of various companies' facilities may be desirable, a maximum number of antennas and back up facilities on the Project Site shall be established, on a case by case basis, such that "antennae farms" or similar visual intrusions for the site and area is not created.

For information about compliance, contact the Case Planner, Planning Department at 628.652.7417 www.sfplanning.org

Monitoring - After Entitlement

10. Enforcement. Violation of any of the Planning Department conditions of approval contained in this Motion or of any other provisions of Planning Code applicable to this Project shall be subject to the enforcement procedures and administrative penalties set forth under Planning Code Section 176 or Section 176.1. The Planning Department may also refer the violation complaints to other city departments and agencies for appropriate enforcement action under their jurisdiction.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

11. Revocation due to Violation of Conditions. Should implementation of this Project result in complaints from interested property owners, residents, or commercial lessees which are not resolved by the Project Sponsor and found to be in violation of the Planning Code and/or the specific conditions of approval for the Project as set forth in Exhibit A of this Motion, the Zoning Administrator shall refer such complaints to the Commission, after which it may hold a public hearing on the matter to consider revocation of this authorization.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463,

www.sfplanning.org

- 12. Implementation Costs - WTS.** The Project Sponsor, on an equitable basis with other WTS providers, shall pay the cost of preparing and adopting appropriate General Plan policies related to the placement of WTS facilities. Should future legislation be enacted to provide for cost recovery for planning, the Project Sponsor shall be bound by such legislation.

The Project Sponsor or its successors shall be responsible for the payment of all reasonable costs associated with implementation of the conditions of approval contained in this authorization, including costs incurred by this Department, the Department of Public Health, the Department of Technology, Office of the City Attorney, or any other appropriate City Department or agency. The Planning Department shall collect such costs on behalf of the City.

The Project Sponsor shall be responsible for the payment of all fees associated with the installation of the subject facility, which are assessed by the City pursuant to all applicable law.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

- 13. Implementation and Monitoring - WTS.** In the event that the Project implementation report includes a finding that RF emissions for the site exceed FCC Standards in any uncontrolled location, the Zoning Administrator may require the Applicant to immediately cease and desist operation of the facility until such time that the violation is corrected to the satisfaction of the Zoning Administrator.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

- 14. Project Implementation Report - WTS.** The Project Sponsor shall prepare and submit to the Zoning Administrator a Project Implementation Report. The Project Implementation Report shall:

- A. Identify the three dimensional perimeter closest to the facility at which adopted FCC standards for human exposure to RF emissions in uncontrolled areas are satisfied;
- B. Document testing that demonstrates that the facility will not cause any potential exposure to RF emissions that exceed adopted FCC emission standards for human exposure in uncontrolled areas.
- C. The Project Implementation Report shall compare test results for each test point with applicable FCC standards. Testing shall be conducted in compliance with FCC regulations governing the measurement of RF emissions and shall be conducted during normal business hours on a non-holiday weekday with the subject equipment measured while operating at maximum power.
- D. Testing, Monitoring, and Preparation. The Project Implementation Report shall be prepared by a certified professional engineer or other technical expert approved by the Department. At the sole option of the Department, the Department (or its agents) may monitor the performance of testing required for preparation of the Project Implementation Report. The cost of such monitoring shall be borne by the Project Sponsor pursuant to the condition related to the payment of the City's

reasonable costs.

- E. Notification and Testing. The Project Implementation Report shall set forth the testing and measurements undertaken pursuant to Conditions 2 and 4.
- F. Approval. The Zoning Administrator shall request that the Certification of Final Completion for operation of the facility not be issued by the Department of Building Inspection until such time that the Project Implementation Report is approved by the Department for compliance with these conditions.

For information about compliance, contact the Environmental Health Section, Department of Public Health at 415.252.3800, www.sfdph.org

- 15. Coverage and Capacity Verification.** Use is authorized as long as an independent evaluator, selected by the Planning Department, determines that the information and conclusions submitted by the wireless service provider in support of its request for conditional use are accurate. The wireless service provider shall fully cooperate with the evaluator and shall provide any and all data requested by the evaluator to allow the evaluator to verify that the maps, data, and conclusions about service coverage and capacity submitted are accurate. The wireless service provider shall bear all costs of said evaluation. The independent evaluator, upon request by the wireless service provider shall keep the submitted data confidential and shall sign a confidentiality agreement acceptable to the wireless service provider. The independent evaluator shall be a professional engineer licensed by the State of California.

For information about compliance, contact the Case Planner, Planning Department at 628.652.7417, www.sfplanning.org

- 16. Notification prior to Project Implementation Report - WTS.** The Project Sponsor shall undertake to inform and perform appropriate tests for residents of any dwelling units located within 25 feet of the transmitting antenna at the time of testing for the Project Implementation Report.

- A. At least twenty calendar days prior to conducting the testing required for preparation of the Project Implementation Report, the Project Sponsor shall mail notice to the Department, as well as to the resident of any legal dwelling unit within 25 feet of a transmitting antenna of the date on which testing will be conducted. The Applicant will submit a written affidavit attesting to this mail notice along with the mailing list.
- B. When requested in advance by a resident notified of testing pursuant to subsection (a), the Project Sponsor shall conduct testing of total power density of RF emissions within the residence of that resident on the date on which the testing is conducted for the Project Implementation Report.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

- 17. Installation - WTS.** Within 10 days of the installation and operation of the facilities, the Project Sponsor shall confirm in writing to the Zoning Administrator that the facilities are being maintained and operated in compliance with applicable Building, Electrical and other Code requirements, as well as applicable FCC

emissions standards.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

- 18. Periodic Safety Monitoring - WTS.** The Project Sponsor shall submit to the Zoning Administrator 10 days after installation of the facilities, and every two years thereafter, a certification attested to by a licensed engineer expert in the field of EMR/RF emissions, that the facilities are and have been operated within the then current applicable FCC standards for RF/EMF emissions.

For information about compliance, contact the Environmental Health Section, Department of Public Health at 415.252.3800, www.sfdph.org

Operation

- 19. Community Liaison.** Prior to issuance of a building permit to construct the project and implement the approved use, the Project Sponsor shall appoint a community liaison officer to deal with the issues of concern to owners and occupants of nearby properties. The Project Sponsor shall provide the Zoning Administrator and all registered neighborhood groups for the area with written notice of the name, business address, and telephone number of the community liaison. Should the contact information change, the Zoning Administrator and registered neighborhood groups shall be made aware of such change. The community liaison shall report to the Zoning Administrator what issues, if any, are of concern to the community and what issues have not been resolved by the Project Sponsor.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

- 20. Out of Service – WTS.** The Project Sponsor or Property Owner shall remove antennae and equipment that has been out of service or otherwise abandoned for a continuous period of six months.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

- 21. Emissions Conditions – WTS.** It is a continuing condition of this authorization that the facilities be operated in such a manner so as not to contribute to ambient RF/EMF emissions in excess of then current FCC adopted RF/EMF emission standards; violation of this condition shall be grounds for revocation.

For information about compliance, contact the Environmental Health Section, Department of Public Health at 415.252.3800, www.sfdph.org

- 22. Noise and Heat – WTS.** The WTS facility, including power source and cooling facility, shall be operated at all times within the limits of the San Francisco Noise Control Ordinance. The WTS facility, including power source and any heating/cooling facility, shall not be operated so as to cause the generation of heat that adversely affects a building occupant.

For information about compliance, contact the Environmental Health Section, Department of Public Health at

415.252.3800, www.sfdph.org

- 23. Transfer of Operation – WTS.** Any carrier/provider authorized by the Zoning Administrator or by the Planning Commission to operate a specific WTS installation may assign the operation of the facility to another carrier licensed by the FCC for that radio frequency provided that such transfer is made known to the Zoning Administrator in advance of such operation, and all conditions of approval for the subject installation are carried out by the new carrier/provider.

For information about compliance, contact Code Enforcement, Planning Department at 628.652.7463, www.sfplanning.org

- 24. Compatibility with City Emergency Services – WTS.** The facility shall not be operated or caused to transmit on or adjacent to any radio frequencies licensed to the City for emergency telecommunication services such that the City's emergency telecommunications system experiences interference, unless prior approval for such has been granted in writing by the City.

For information about compliance, contact the Department of Technology, 415.581.4000, <http://sfgov3.org/index.aspx?page=1421>



SITE NUMBER: CCL03113
PROJECT: LTE 3C, LTE 4C, 4TX4RX
SOFTWARE RETROFIT, 5G NR 1DR-1
SITE NAME: 3RD - GILMAN
USID # 12921 FA # 10088087
PACE #: MRSFR068870, MRSFR068862, MRSFR068851,
MRSFR068881, MRSFR068847
PTN #: 3701A0TB4G, 3701A0T9QK, 3701A0TA21,
3701A0TARR, 3701A0T913
6202 3RD ST
SAN FRANCISCO, CA 94124

RFDS VER. # 2.00 05/22/2020 ID# 3597093

CONSTRUCTION DRAWING

IF USING 11"X17" PLOT, DRAWINGS WILL BE HALF SCALE

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION. THE SCOPE WILL CONSIST OF THE FOLLOWING:

ANTENNA LOCATION:

- * REMOVE (2) EXISTING AT&T OMNI ANTENNAS
- * REMOVE (1) EXISTING AT&T OMNI ANTENNA MOUNT
- * REMOVE (2) EXISTING AT&T COAX CABLES
- * INSTALL NEW AT&T CABLE TRAY FOR NEW FIBER AND POWER CONDUITS
- * INSTALL (1) NEW AT&T PANEL ANTENNA NNH4-65A-R6H4 PER SECTOR, (2) TOTAL
- * INSTALL (1) NEW AT&T PANEL ANTENNA NNH4-65A-R4 PER SECTOR, (2) TOTAL
- * INSTALL (2) NEW AT&T 2'-0" FRP RADOME ON NEW SLEEPERS PER SECTOR, (4) TOTAL
- * INSTALL (1) NEW AT&T RRUS-4449 B5/B12 PER SECTOR, (2) TOTAL
- * INSTALL (1) NEW AT&T RRUS-8843 B2/B66A PER SECTOR, (2) TOTAL
- * INSTALL (1) NEW AT&T RRUS-4415 B30 PER SECTOR, (2) TOTAL
- * INSTALL (1) NEW AT&T DC-9 SURGE SUPPRESSOR PER SECTOR, (2) TOTAL
- * INSTALL (1) NEW AT&T H-FRAME PER SECTOR, (2) TOTAL
- * INSTALL (2) NEW AT&T 7/8" COAX CABLE RUN AT ALPHA SECTOR ONLY
- * INSTALL (2) NEW AT&T DC POWER TRUNKS PER SECTOR, (4) TOTAL
- * INSTALL (1) NEW AT&T DC POWER TRUNKS PER SECTOR, (2) TOTAL

EQUIPMENT LOCATION:

- * REMOVE (1) EXISTING AT&T RRUS-11 B12 FROM (E) UNISTRUT FRAME ON THE WALL
- * REMOVE (1) EXISTING AT&T RRUS-22 B5 FROM (E) UNISTRUT FRAME ON THE WALL
- * REMOVE (1) EXISTING AT&T RRUS-12 B5 FROM (E) UNISTRUT FRAME ON THE WALL
- * INSTALL (1) NEW AT&T DC-12 SURGE SUPPRESSOR ON (E) UNISTRUT FRAME ON THE WALL
- * INSTALL (1) NEW AT&T 6630 INSIDE (E) PURCELL CABINET
- * INSTALL (1) NEW AT&T XMU INSIDE (E) PURCELL CABINET

ENGINEERING

2019 CALIFORNIA BUILDING CODE
 2019 CALIFORNIA TITLE 24
 2019 CALIFORNIA FIRE CODE
 2019 CALIFORNIA ENERGY CODE
 2019 CALIFORNIA MECHANICAL CODE
 TIA/EIA-222-G OR LATEST EDITION

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.

SITE INFORMATION

PROPERTY OWNER: POK LIM KYONG & PONG SUN
ADDRESS: 6202 3RD ST
 POK LIM KYONG & PONG SUN

SITE ADDRESS: 6202 3RD ST
 SAN FRANCISCO, CA 94124

APPLICANT: AT&T
ADDRESS: 5001 EXECUTIVE PKWY
 SAN RAMON CA 94583

APPLICANT REPRESENTATIVE: SMARTLINK GROUP LLC
ADDRESS: 360 CIVIC DRIVE., STE. C
 PLEASANT HILL, CA 94523

LATITUDE (NAD 83): 37° 43' 20.442" N
LONGITUDE (NAD 83): 122° 23' 45.17196" W
LONGITUDE/LATITUDE TYPE: NAD 83
GROUND ELEVATION: ±33 FEET (NAVD88)
APN #: 5461-053
ZONING JURISDICTION: CITY OF SAN FRANCISCO
CURRENT ZONING: NC-3
POWER COMPANY: PG&E
TELCO COMPANY: AT&T
PROPOSED USE: UNMANNED TELECOM FACILITY
LEASE AREA (SF): TBD
CONSTRUCTION TYPE: U

PROJECT TEAM

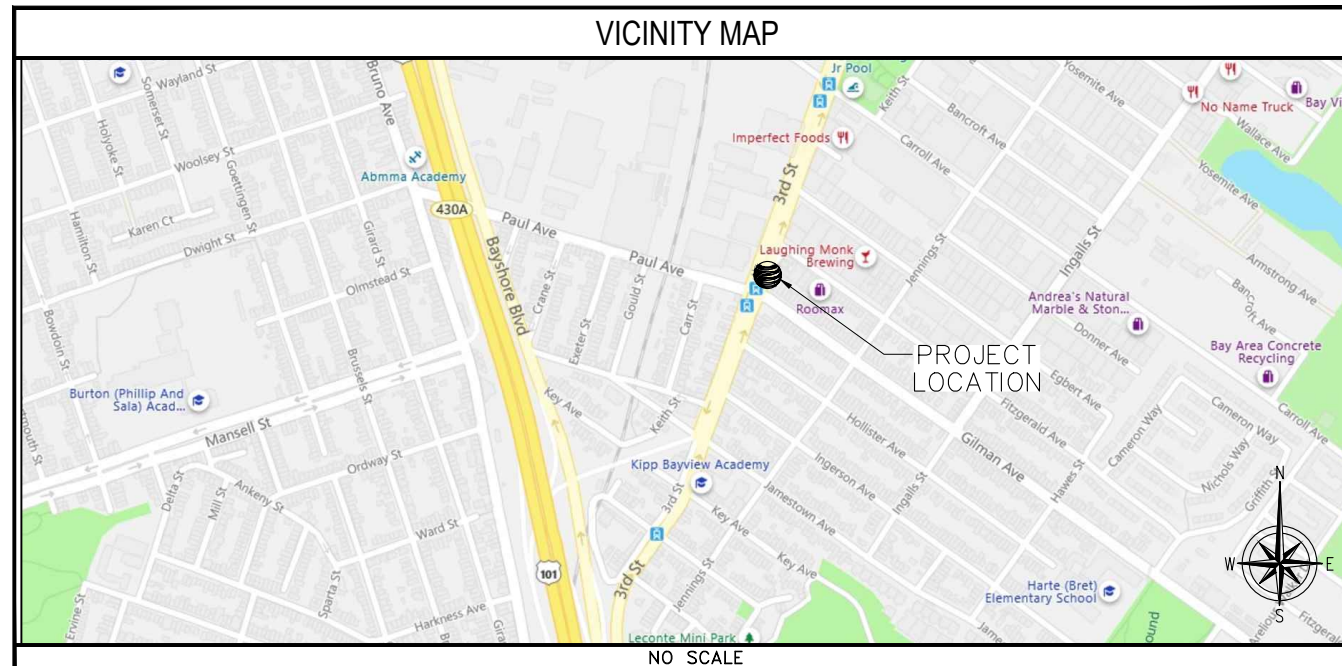
PROJECT MANAGER: AT&T
 5001 EXECUTIVE PKWY
 SAN RAMON, CA 94583
 CONTACT: JERRY WORTH
 jw5471@att.com

ENGINEER: INTELOCITY, LLC
 1875 CORONADO AVE.
 SIGNAL HILL, CALIFORNIA 90755
 CONTACT: JOSUE ROMERO
 PH: (714) 553-5316
 josue.romero@intelocity.com

SITE ACQUISITION: SMARTLINK GROUP LLC
 360 CIVIC DRIVE., STE. C
 PLEASANT HILL, CA 94523
 CONTACT: CHET ANDERSON
 PHONE: (906) 370-2487
 chet.anderson@smartlinkllc.com

ZONING: SMARTLINK GROUP LLC
 360 CIVIC DRIVE., STE. C
 PLEASANT HILL, CA 94523
 CONTACT: CHET ANDERSON
 PHONE: (906) 370-2487
 chet.anderson@smartlinkllc.com

RF ENGINEER: AT&T
 5001 EXECUTIVE PKWY
 SAN RAMON, CA 94583
 CONTACT: SAGAR BONDE
 PHONE: (323) 457-5845
 sb970r@att.com



DRIVING DIRECTIONS

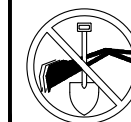
DIRECTIONS FROM AT&T OFFICE: 5001 EXECUTIVE PKWY SAN RAMON CA 94583
 HEAD EAST ON EXECUTIVE PKWY TOWARD EXECUTIVE DRIVEWAY, TURN RIGHT ONTO CAMINO RAMON, TURN RIGHT ONTO BOLLINGER CANYON RD, TAKE RAMP RIGHT FOR I-680 NORTH TOWARD SACRAMENTO, TAKE RAMP RIGHT FOR CA-24 TOWARD LAFAYETTE / OAKLAND, TAKE RAMP RIGHT FOR I-580 WEST TOWARD SACRAMENTO / SAN FRANCISCO, TAKE RAMP LEFT TOWARD SAN FRANCISCO, TAKE RAMP RIGHT FOR I-80 W, KEEP STRAIGHT ONTO US-101 S, TAKE RAMP RIGHT TOWARD PAUL AVE, TURN RIGHT ONTO SAN BRUNO AVE, TURN RIGHT ONTO PAUL AVE, TURN RIGHT ONTO 3RD ST, ARRIVE AT 6202 3RD ST, SAN FRANCISCO, CA 94124.

DRAWING INDEX

SHEET NO:		
1 OF 13	T-1	TITLE SHEET
2 OF 13	GN-1	GENERAL NOTES & SITE SIGNAGES
3 OF 13	FD-1	FIRE DEPARTMENT CHECK LIST
4 OF 13	EME-1	EME REPORT
5 OF 13	PS-1	PHOTOSIMS
6 OF 13	A-1	SITE PLAN
7 OF 13	A-2	ROOF PLAN & EQUIPMENT LAYOUTS
8 OF 13	A-3	ANTENNA LAYOUTS
9 OF 13	A-4	ELEVATIONS
10 OF 13	A-5	ELEVATIONS
11 OF 13	D-1	DETAILS
12 OF 13	D-2	DETAILS
13 OF 13	G-1	GROUNDING NOTES, PLANS AND DETAILS

DO NOT SCALE DRAWINGS

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



UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
 800-227-2600
 48 HOURS BEFORE YOU DIG

CCL03113
 LTE 3C, LTE 4C,
 4TX4RX SOFTWARE
 RETROFIT, 5G NR 1DR-1
 3RD - GILMAN
 6202 3RD ST
 SAN FRANCISCO, CA 94124



5001 EXECUTIVE PKWY
 SAN RAMON, CA 94583



360 CIVIC DRIVE., STE. C
 PLEASANT HILL, CA 94523

PLANS PREPARED BY:

INTELOCITY
 DESIGN | BUILD | INNOVATE

1875 Coronado Ave
 Signal Hill, CA 90755

A NUWAVE COMPANY

REV	DATE	DESCRIPTION	
07/30/21		PLANNING COMMENTS	JG
6	10/27/20	100% CLIENT COMMENTS	JG
5	10/07/20	100% CONSTRUCTION DRAWINGS	GO
4	09/30/20	MITIGATION CD REVISIONS	GO
3	06/01/20	RFDS UPDATE CD REVISIONS	GO
2	05/26/20	95% CONSTRUCTION DRAWINGS	GO

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET TITLE

TITLE SHEET


SHEET NUMBER

T-1

GENERAL CONSTRUCTION NOTES

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR – OVERLAND CONTRACTING INC. (B&V)
SUBCONTRACTOR – CONTRACTOR (CONSTRUCTION)
OWNER – AT&T
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T PROJECT SPECIFICATIONS.
- GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOWN DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
- GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
- ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
- SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
- WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
- SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
- THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
- THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OR 2-A-10-B-C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
- THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
- ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
- SUBCONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.

- SUBCONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).
- OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
- NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
- ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
- SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF SUBCONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
- SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- NO WHITE STROBIC LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.
- ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- NO NOISE, SMOKE, DUST, ODOR, OR VIBRATIONS WILL RESULT FROM THIS FACILITY. (DELETE THIS NOTE IF THE SITE WILL HAVE A GENERATOR)
- NO ADDITIONAL PARKING TO BE PROPOSED. EXISTING ACCESS AND PARKING TO REMAIN. (REVISE THIS NOTE ACCORDING TO THE SITE CONFIGURATION)
- NO LANDSCAPING IS PROPOSED AT THIS SITE. (REVISE THIS NOTE ACCORDING TO THE SITE CONFIGURATION)



NOTICE TO WORKERS

RADIO FREQUENCY ANTENNAS ON THIS ROOF. PLEASE EXERCISE CAUTION AROUND ANTENNAS AND OBEY POSTED SIGNS AND/OR MARKINGS. FOR ACCESS TO RESTRICTED AREAS OR FOR FURTHER INFORMATION, PLEASE CALL 1-800-832-6662 (SITE NUMBER: CCL03113)

IN ACCORDANCE WITH FCC RULES 47 CFR 1.1310

AVISO A TRABAJADORES

EXISTEN ANTENAS DE RADIOFRECUENCIA EN ESTE TECHO. POR FAVOR USE PRECAUCION ALREDEDOR DE LAS ANTENAS Y OBEDEZCA A LAS ZONAS RESTRINGIDAS O PARA OBTENER MAS INFORMACION, LLAME AL TELEFONO 1-800-832-6662 (NUMERO DE SITIO: CCL03113)

DE ACUERDO A LAS REGLAS DE FCC 47 CFR 1.1310

工作人員注意

此屋宇房頂有射頻天線裝置
在天線範圍四周務請小心,並遵照各已張貼之指示及/或標識行事
如需進入禁區範圍或索取更多資料
請致電 1-800-832-6662 此站區號: (CCL03113)

依據FCC條例第47 CFR1.1310 嚴執行

- NOTES:
- WARNING SIGN TO BE MOUNTED AT ANTENNA LOCATIONS.
 - SIGN SHALL COMPLY WITH ANSI C95.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS.
 - SIGNAGE SHALL BE CLEARLY LABELED IN A PHENOLIC LABEL WITH A WHITE BACKGROUND AND BLACK LETTERING, AND SHALL BE READABLE FROM AT LEAST (15) FEET FROM THE SIGN.
 - PROPOSED 12"X20" PLASTIC SIGN

MULTI-LANGUAGE SIGN

4

EMERGENCY SHUT DOWN

FOR IMMEDIATE SHUT DOWN OF ALL RADIO FREQUENCY EMISSIONS OF THIS SITE,

1) CALL CONTACT NUMBER AND GIVE SITE IDENTIFICATION NO.

CONTACT PHONE NUMBER: 1-800-832-6662
SITE IDENTIFICATION NUMBER: CCL03113

2) DISCONNECT POWER AT MAIN SERVICE DISCONNECT:

AT BASEMENT WITHIN LEASE AREA

3) DISCONNECT BACK-UP POWER AT BATTERY DISCONNECT:

AT BASEMENT WITHIN LEASE AREA

DRAWING NOTES:

1. SIGN SHALL BE PHENOLIC LABEL WITH WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1" HIGH WHITE LETTERING.

2. CONTRACTOR TO PLACE SIGNS IN FOLLOWING LOCATIONS:

a) CELL SITE EQUIPMENT ROOM DOOR
b) BATTERY LOCATION WITHIN PROXIMITY OF BATTERY DISCONNECT
c) FCC ROOM WITHIN PROXIMITY OF THE FIRE ALARM PANEL
d) BUILDING'S MAIN ELECTRICAL ROOM WITHIN PROXIMITY OF THE MAIN SHUTOFF AND/OR AT THE CELL SITE MAIN ELECTRICAL DISCONNECT


SIGN SHALL BE A PHENOLIC LABEL WITH WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1" HIGH WHITE LETTERING.

- NOTE: SIGN TO BE PERMANENTLY MOUNTED AT THE FOLLOWING LOCATIONS;
- CELL SITE EQUIPMENT ROOM DOOR
 - BATTERY LOCATION WITHIN PROXIMITY OF BATTERY DISCONNECT
 - FCC (FIRE CONTROL CENTER) ROOM WITHIN PROXIMITY OF THE FIRE ALARM PANEL
 - BUILDING'S MAIN ELECTRICAL ROOM WITHIN PROXIMITY OF THE MAIN SHUTOFF
 - THE CELL SITE MAIN ELECTRICAL DISCONNECT

EMERGENCY SHUT DOWN SIGN

1

NOTICE



AT&T operates antennas at this site. Beyond This Point you are entering an area where radio frequency (RF) fields exceed the FCC Occupational Exposure Limits.

Follow safety guidelines for working in an RF environment.

Contact AT&T at 1-800-832-6662 and follow their instructions prior to performing any maintenance or repairs beyond this point.

Caution Sign C487P-AL-057 This is AT&T site CCL03113.

INFORMATION

AT&T operates telecommunications antennas at this location. Remain at least 3 feet away from any antenna and obey all posted signs.

Contact the owner(s) of the antenna(s) before working closer than 3 feet from the antenna.

Contact AT&T at 1-800-832-6662 prior to performing any maintenance or repairs near AT&T antennas. This is Site # CCL03113.

Contact the management office if this door/batch/gate is found unlocked.

INFORMATION

En esta propiedad se ubican antenas de telecomunicaciones operadas por AT&T. Favor mantener una distancia de no menos de 3 pies y obedecer todos los avisos.

Comuníquese con el propietario o los propietarios de las antenas antes de trabajar o construir a una distancia de menos de 3 pies de la antena.

Comuníquese con AT&T 1-800-832-6662 antes de realizar cualquier mantenimiento o reparaciones cerca de la antena de AT&T.

Esta es la estación base número CCL03113.

Favor comunicarse con la oficina de la administración del edificio si esta puerta o compuerta se encuentra sin candado.

at&t

NOTICE/INFORMATION SIGNAGE

2

CAUTION




AT&T operates antennas at this site. Beyond This Point you are entering an area where radio frequency (RF) fields exceed the FCC Occupational Exposure Limits.

Follow safety guidelines for working in an RF environment.

Contact AT&T at 1-800-832-6662 and follow their instructions prior to performing any maintenance or repairs beyond this point.

Caution Sign C487P-AL-057 This is AT&T site CCL03113.

WARNING



AT&T operates antennas at this site. Beyond This Point you are entering an area where radio frequency (RF) fields exceed the FCC Occupational Exposure Limits.

Failure to follow safety guideline for working in an RF environment could result in serious injury.

Contact AT&T at 1-800-832-6662 options 9 and 3, and request assistance prior to proceeding beyond this point.

Warning Sign W4-24-AL-128 This is AT&T site USD 1282L.

CAUTION/WARNING SIGNAGE

3

CCL03113
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4TX4RX SOFTWARE
RETROFIT, 5G NR 1DR-1
3RD - GILMAN
6202 3RD ST
SAN FRANCISCO, CA 94124



360 CIVIC DRIVE., STE. C
PLEASANT HILL, CA 94523

PLANS PREPARED BY:
INTELOCITY
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1875 Coronado Ave
Signal Hill, CA 90755
A NUWAVE COMPANY

REV	DATE	DESCRIPTION	
	07/30/21	PLANNING COMMENTS	JG
6	10/27/20	100% CLIENT COMMENTS	JG
5	10/07/20	100% CONSTRUCTION DRAWINGS	GO
4	09/30/20	MITIGATION CD REVISIONS	GO
3	06/01/20	RFDS UPDATE CD REVISIONS	GO
2	05/26/20	95% CONSTRUCTION DRAWINGS	GO

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SHEET TITLE
**GENERAL NOTES &
SITE SIGNAGES**

SHEET NUMBER
GN-1

2.06 SUBMITTAL REQUIREMENTS FOR CELLULAR ANTENNA SITES (2019)

2.06 SUBMITTAL REQUIREMENTS FOR CELLULAR ANTENNA SITES (2019)

REFERENCE: 2019 SFBC, 2019 SFFC, 2019 SFMC AND FCC OET BULLETIN (97-01)

- I. SUBMITTAL REQUIREMENTS
- SEE SHEET T-1 A. PROVIDE A DESCRIPTION OF WORK ON THE PLANS.
- SEE SHEET A-1, A-2, A-3, A-4, A-5 B. PLANS SHALL INCLUDE PLAN VIEWS AND ELEVATIONS SHOWING ALL EQUIPMENT LOCATIONS AND CABLE RUNS.
- SEE SHEET A-3, D-1, D-2 C. PLANS SHALL INCLUDE ANTENNA MANUFACTURER SPECIFICATION SHEETS AND EQUIPMENT LIST ON A DRAWING.
- SEE SHEET EME-1 D. INCLUDE A COPY OF THE SIGNED AND STAMPED RF REPORT ON A DRAWING SHEET AS A REFERENCE TO IDENTIFY THE EXCLUSION AREA REQUIRED TO PREVENT OCCUPATIONAL EXPOSURES IN EXCESS OF THE FCC GUIDELINES (47CFR1.1310 AND FCC OET BULLETIN 65 EDITION 97-01).
- SEE SHEET EME-1 E. THE RF REPORT SHALL INDICATE WHETHER OR NOT THE SITE UNDER REVIEW IS A PART OF A MULTIPLE TRANSMITTER SITE AND SHALL SHOW COMPLIANCE WITH FCC 47CFR1.1307 (B) (3), AS AMENDED - ALL TRANSMITTERS SHALL NOT EXCEED 5% OF THE POWER DENSITY EXPOSURE LIMIT.
- SEE SHEET EME-1 AND SHEET A-2 F. DRAWINGS SHALL REFLECT THE STRIPED/EXCLUSION AREAS FOR WORKERS PER THE ABOVE RF REPORT WITH A MINIMUM RADIUS OF 1-FOOT.
- SEE SHEET EME-1 G. PLANS SHALL INCLUDE A QUANTITATIVE THREE-DIMENSIONAL IMAGE OF THE RF LEVELS FROM EACH ANTENNA LOCATED NEAR AN EGRESS POINT (E.G. PENTHOUSE STAIR; FIRE ESCAPE, ROOF WALKING PATHS; SKYLIGHTS, ETC.).
- SEE SHEET GN-1, EME-1 AND A-2 H. "NOTICE TO WORKERS" WARNING SIGNAGE, AS APPLICABLE PER THE ABOVE RF REPORT, SHALL BE PERMANENTLY MOUNTED AT THE STAIRWELL SIDE OF THE ROOF-ACCESS DOOR (ANSI C95.2-1982 (REFERENCE [3]) - YELLOW OR MORE DURABLE COLOR FOR OUTDOOR LONGEVITY)
- SEE SHEET EME-1 AND SHEET A-2 I. CAMOUFLAGED ANTENNAS SHALL HAVE 4-INCH X 4-INCH SIGNAGE PERMANENTLY MOUNTED TO THE EXTERIOR TO THE RF SCREEN AS PROVIDED BELOW. THE SIGN SHALL BE WEATHERPROOF WITH CONTRASTING BACKGROUND COLOR AND SHALL CONTAIN THE YELLOW TRIANGLE AROUND THE ANTENNA SYMBOL (ANSI C95.2-1982 (REFERENCE [3]) - YELLOW OR MORE DURABLE COLOR FOR OUTDOOR LONGEVITY). SIGNAGE LOCATION(S) AND DETAIL OF THE SIGN SHALL BE INCLUDED ON THE PLANS.
- N/A J. CABLES/WIRING SHALL NOT BE ALLOWED IN EXIT ENCLOSURES, SMOKE-PROOF TOWERS, ELEVATOR SHAFTS, OR IN FRONT OF DRY STANDPIPES. 2016 SFFC 1023.5 AND 509.2
- SEE SHEET A-2 K. ANTENNAS SHALL NOT BE MOUNTED CLOSER THAN THE EXCLUSION ZONE PLUS 4- FEET FOR INSTALLATIONS NEAR FIRE ESCAPES, STAIR PENTHOUSE DOORS, EXTERIOR STANDPIPE OUTLETS, SKYLIGHTS, OR OTHER FIRE DEPARTMENT OPERATIONS CONSIDERATION.

SEE SHEET D-2 L. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH 2019 CFC, SECTION 608.

SEE SHEET GN-1 AND SHEET A-2 M. THE FIRE DEPARTMENT MAY NEED TO SHUT DOWN THE POWER TO THE CELL SITE IN AN EMERGENCY SITUATION. IN ORDER TO REDUCE THE SITE OPERATOR'S POSSIBLE LOSS OF SERVICE, PERMANENT EMERGENCY SHUTDOWN PROCEDURE SIGNAGE SHALL BE PROVIDED AT THE EQUIPMENT ROOM ENTRANCE.

1. THE SIGN SHALL INCLUDE THE FOLLOWING:
 - a. EMERGENCY 24-HOUR/7 DAY A WEEK NETWORK OPERATIONS CENTER (NOC) / FIELD TECHNICIAN TELEPHONE NUMBER FOR RF SHUT-DOWN
 - b. CELL SITE IDENTIFICATION NUMBER
 - c. MAP SHOWING LOCATION OF ELECTRICAL MAIN SHUT-OFF (ELECTRICAL MAIN SHALL BE CLEARLY IDENTIFIED WITH A PERMANENT RED LABEL AND WHITE LETTERING).
 - d. MAP SHOWING LOCATION OF BATTERY CABINETS AND BREAKERS (CABINETS AND BREAKERS SHALL BE CLEARLY IDENTIFIED WITH A PERMANENT RED LABEL AND WHITE LETTERING).
 - e. ANY OTHER RELEVANT INFORMATION OR PROCEDURES AS REQUIRED FOR THE INDIVIDUAL CELLULAR SITE.
2. THE SIGN SHALL BE CLEARLY LABELED IN A PHENOLIC LABEL WITH A WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1-INCH HIGH WHITE LETTERING. MULTIPLE SIGNS MAY NEED TO BE INSTALLED BASED UPON THE CELLULAR SITE CONFIGURATION.
3. A COPY OF THE SIGNAGE SHALL BE INCLUDED ON A DRAWING SHEET. SEE ATTACHED SAMPLE.

II. DRAWING NOTES

- A. SIGN SHALL BE A PHENOLIC LABEL WITH WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1-INCH HIGH WHITE LETTERING.
- B. CONTRACTOR TO PLACE SIGNS IN FOLLOWING LOCATIONS:
1. CELL SITE EQUIPMENT ROOM DOOR
 2. BATTERY LOCATION WITHIN PROXIMITY OF BATTERY DISCONNECT
 3. FCC ROOM WITHIN PROXIMITY OF THE FIRE ALARM PANEL
 4. BUILDING'S MAIN ELECTRICAL ROOM WITHIN PROXIMITY OF THE MAIN SHUTOFF AND/OR AT THE CELL SITE MAIN ELECTRICAL DISCONNECT

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6202 3RD ST
SAN FRANCISCO, CA 94124



5001 EXECUTIVE PKWY
SAN RAMON, CA 94583



360 CIVIC DRIVE., STE. C
PLEASANT HILL, CA 94523

PLANS PREPARED BY:

INTELOCITY
DESIGN | BUILD | INNOVATE

1875 Coronado Ave
Signal Hill, CA 90755

A NUWAVE COMPANY

REV	DATE	DESCRIPTION	JG
	07/30/21	PLANNING COMMENTS	JG
6	10/27/20	100% CLIENT COMMENTS	JG
5	10/07/20	100% CONSTRUCTION DRAWINGS	GO
4	09/30/20	MITIGATION CD REVISIONS	GO
3	06/01/20	RFDS UPDATE CD REVISIONS	GO
2	05/26/20	95% CONSTRUCTION DRAWINGS	GO

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SHEET TITLE
**FIRE DEPARTMENT
CHECK LIST**

SHEET NUMBER

FD-1

PENDING

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SHEET TITLE
EME REPORT

SHEET NUMBER
EME-1

PHOTO SIMULATION

ROOFTOP MOUNTED PANEL ANTENNAS AT:

6202 3RD ST., SAN FRANCISCO, CA 94124



SHEET INDEX

PAGE NO.	PAGE TITLE
1	COVER
2	VIEW 1
3	VIEW 2
4	VIEW 3

PROJECT DESCRIPTION

AT&T PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION

● LOCATION OF AT&T ANTENNAS

COVER



EXISTING



PROPOSED

VIEW 1 | LOOKING NORTHWEST FROM 3RD ST.

07.29.21



1875 CORONADO AVE
SIGNAL HILL, CA 90755
PH: 562-230-3519

PROJECT INFORMATION

SITE NAME: 3RD - GILMAN
SITE NUMBER: CCL03113
SITE ADDRESS: 6202 3RD ST., SAN FRANCISCO, CA 94124

PAGE 1

07.29.21



1875 CORONADO AVE
SIGNAL HILL, CA 90755
PH: 562-230-3519

PROJECT INFORMATION

SITE NAME: 3RD - GILMAN
SITE NUMBER: CCL03113
SITE ADDRESS: 6202 3RD ST., SAN FRANCISCO, CA 94124

PAGE 2

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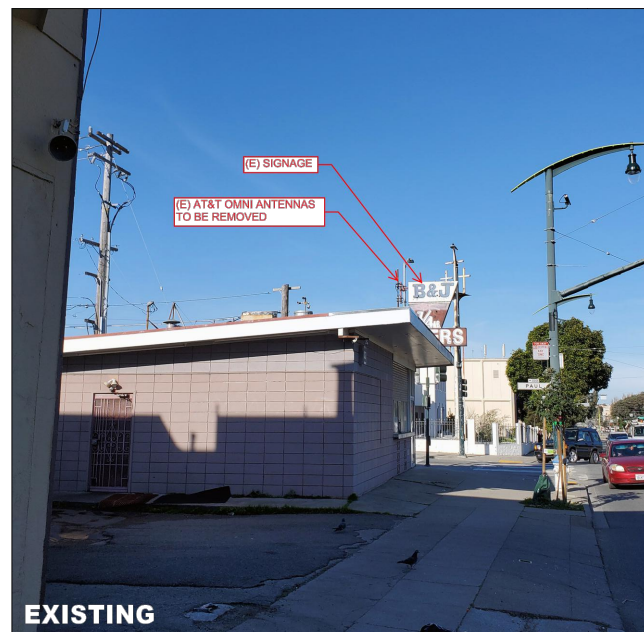
360 CIVIC DRIVE., STE. C
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PLANS PREPARED BY:



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EXISTING



PROPOSED

VIEW 2 | LOOKING NORTHEAST FROM 3RD ST.

07.29.21



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SIGNAL HILL, CA 90755
PH: 562-230-3519

PROJECT INFORMATION

SITE NAME: 3RD - GILMAN
SITE NUMBER: CCL03113
SITE ADDRESS: 6202 3RD ST., SAN FRANCISCO, CA 94124

PAGE 3



EXISTING



PROPOSED

VIEW 3 | LOOKING EAST FROM REAR PARKING

07.29.21



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PROJECT INFORMATION

SITE NAME: 3RD - GILMAN
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SITE ADDRESS: 6202 3RD ST., SAN FRANCISCO, CA 94124

PAGE 4

REV	DATE	DESCRIPTION	
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SHEET TITLE
PHOTO SIMS

SHEET NUMBER
PS-1

NOTE:
INFORMATION CONTAINED WITHIN
DRAWINGS ARE BASED ON PROVIDED
INFORMATION AND ARE NOT THE
RESULT OF A FIELD SURVEY.

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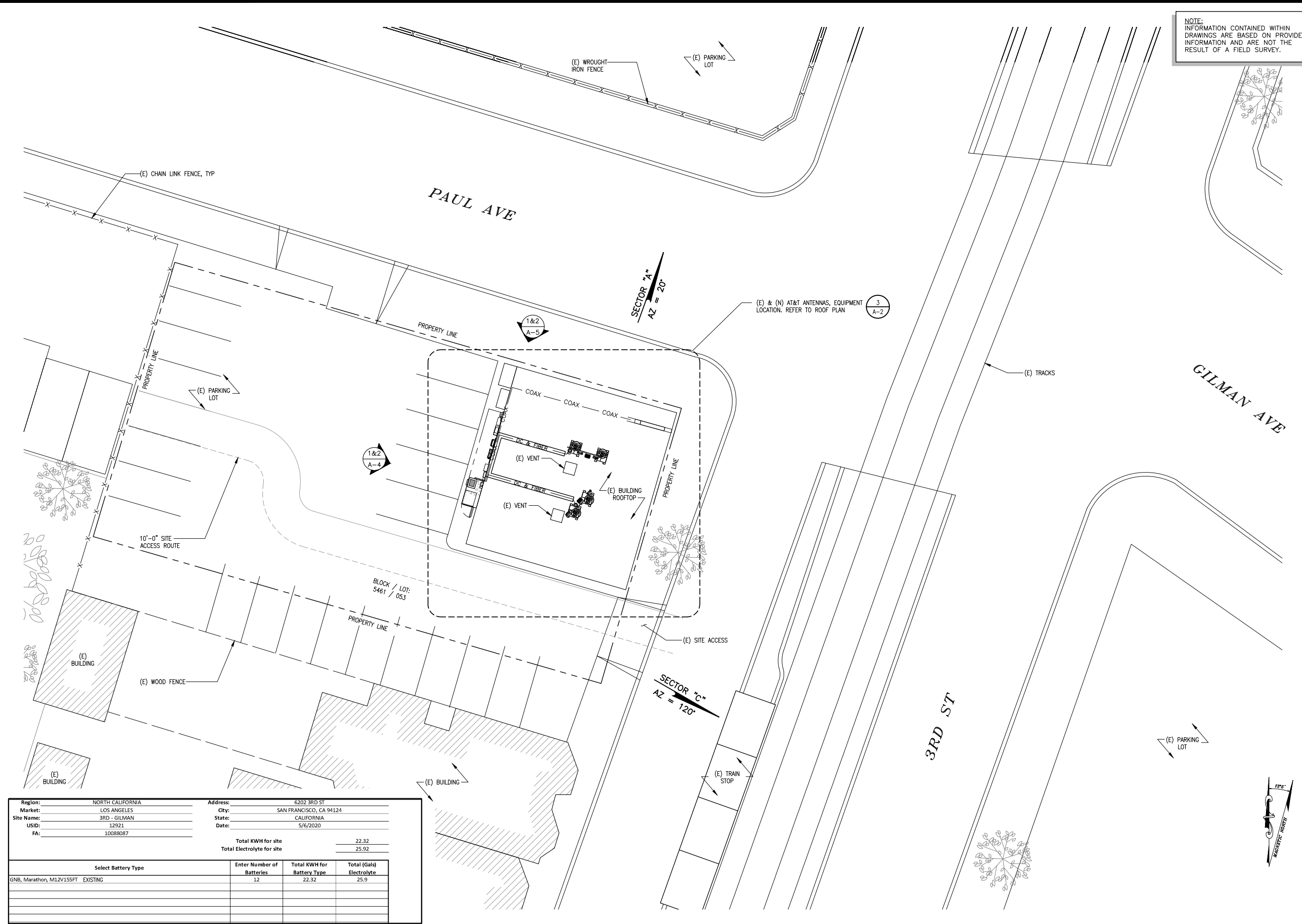
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SHEET TITLE
SITE PLAN

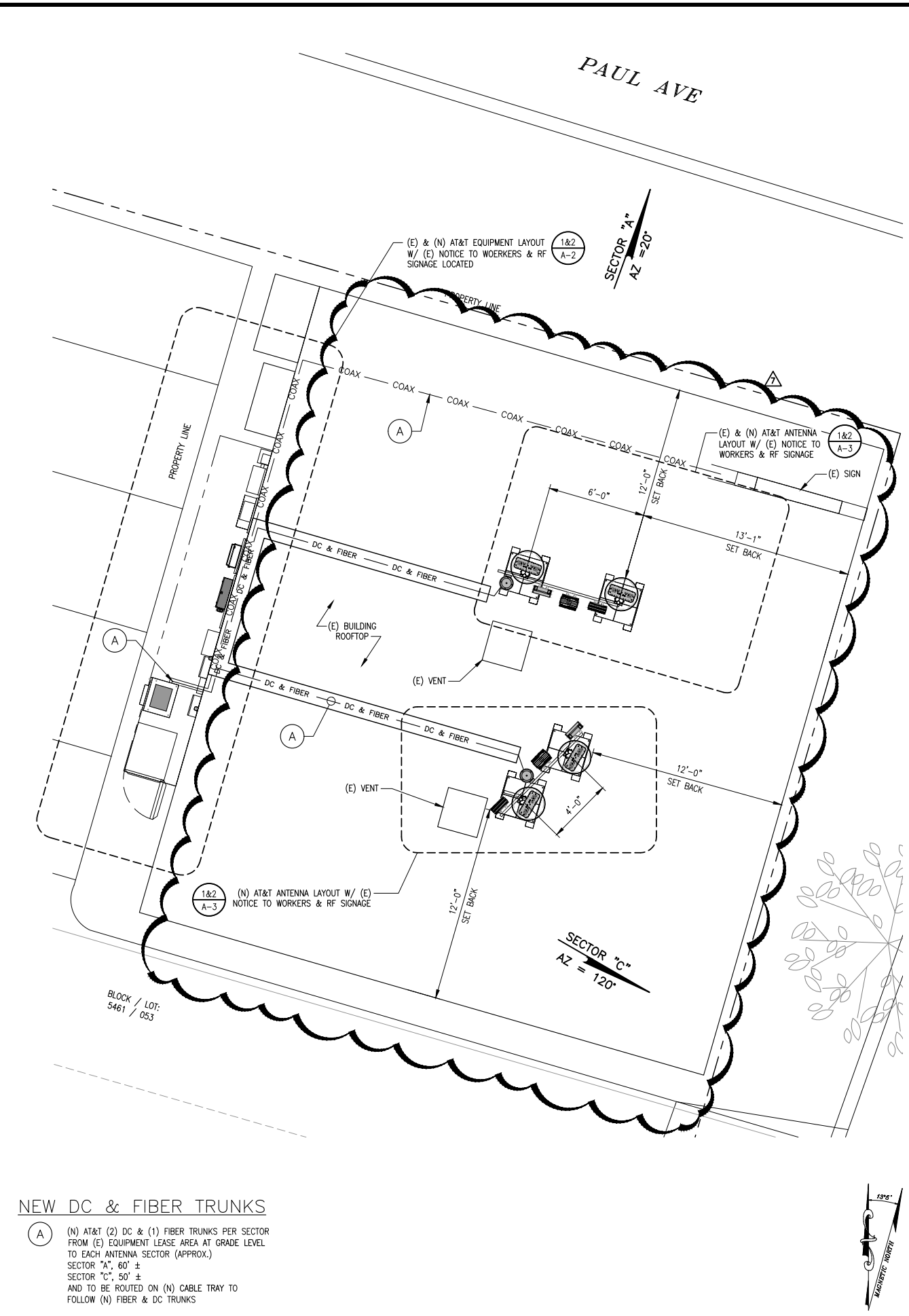
SHEET NUMBER
A-1



Region:	NORTH CALIFORNIA	Address:	6202 3RD ST
Market:	LOS ANGELES	City:	SAN FRANCISCO, CA 94124
Site Name:	3RD - GILMAN	State:	CALIFORNIA
USID:	12921	Date:	5/6/2020
FA:	10088087		

Total KWH for site	22.32
Total Electrolyte for site	25.92

Select Battery Type	Enter Number of Batteries	Total KWH for Battery Type	Total (Gals) Electrolyte
GNB, Marathon, M12V155FT EXISTING	12	22.32	25.9

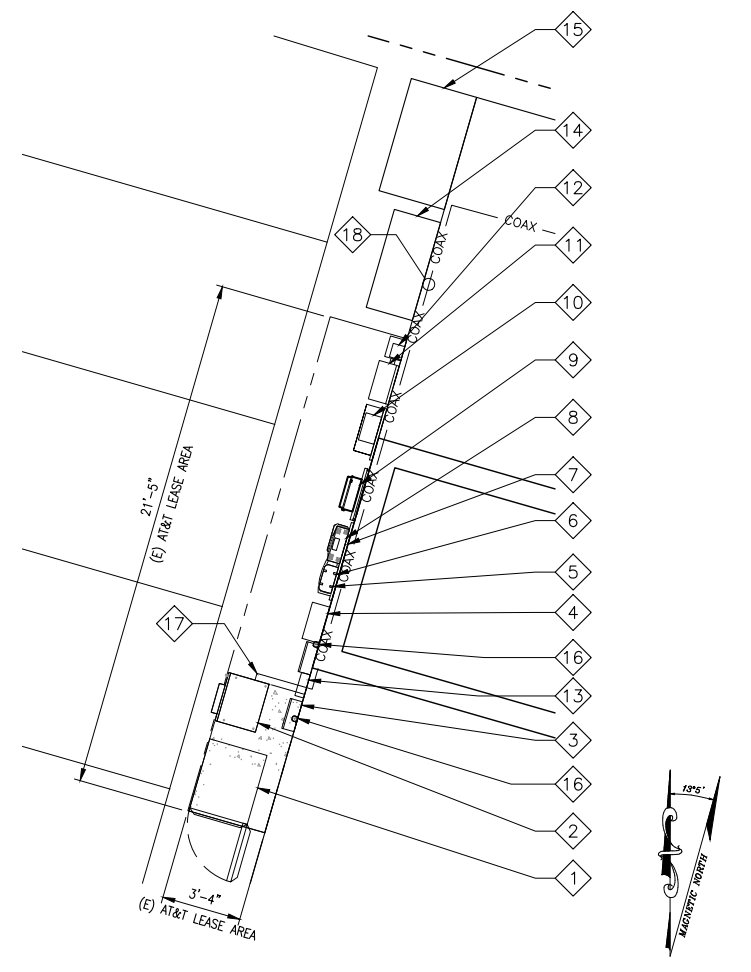
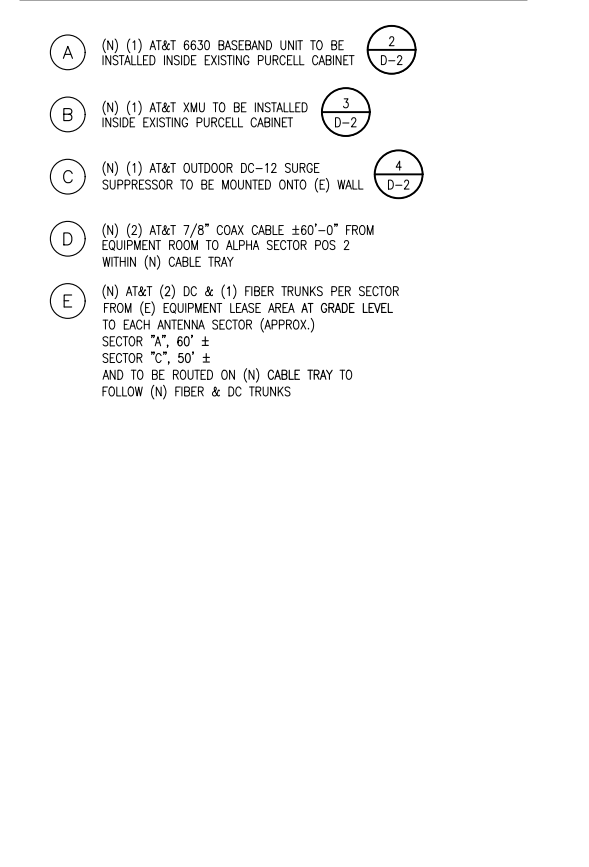


EXISTING EQUIPMENT LAYOUT KEY NOTES

- 1 (E) AT&T DC POWER PLANT WITH 3-STRINGS OF BATTERIES, (12) TOTAL
- 2 (E) AT&T PURCELL CABINET W/ 5216 UNIT WITHIN 6601 V2 CHASSIS
- 3 (E) AT&T DC-6 SURGE SUPPRESSOR
- 4 (E) AT&T TELCO BOX
- 5 (E) AT&T RRUS-11 B12 TO BE REMOVED (1) TOTAL (6) D-2
- 6 (E) AT&T RRUS-22 B5 TO BE REMOVED (1) TOTAL (7) D-2
- 7 (E) AT&T RRUS-12 B5 TO BE REMOVED (1) TOTAL (8) D-2
- 8 (E) AT&T RRUW B5 TO BE REMAIN (1) TOTAL
- 9 (E) AT&T CIENA UNIT
- 10 (E) UTILITY BOX
- 11 (E) AT&T 200 PPC
- 12 (E) METER & GENERATOR INTERFACE BELOW
- 13 (E) AT&T VERTICAL CABLE TRAY
- 14 (E) BUILDING METER BANK
- 15 (E) CLOTHES SHOES RECYCLE CHANGE BOX
- 16 (E) AT&T GPS ANTENNA (2) TOTAL
- 17 (E) AT&T DC & FIBER TRUNKS
- 18 (E) AT&T 7/8" COAX CABLE TO BE REMOVED (2) TOTAL

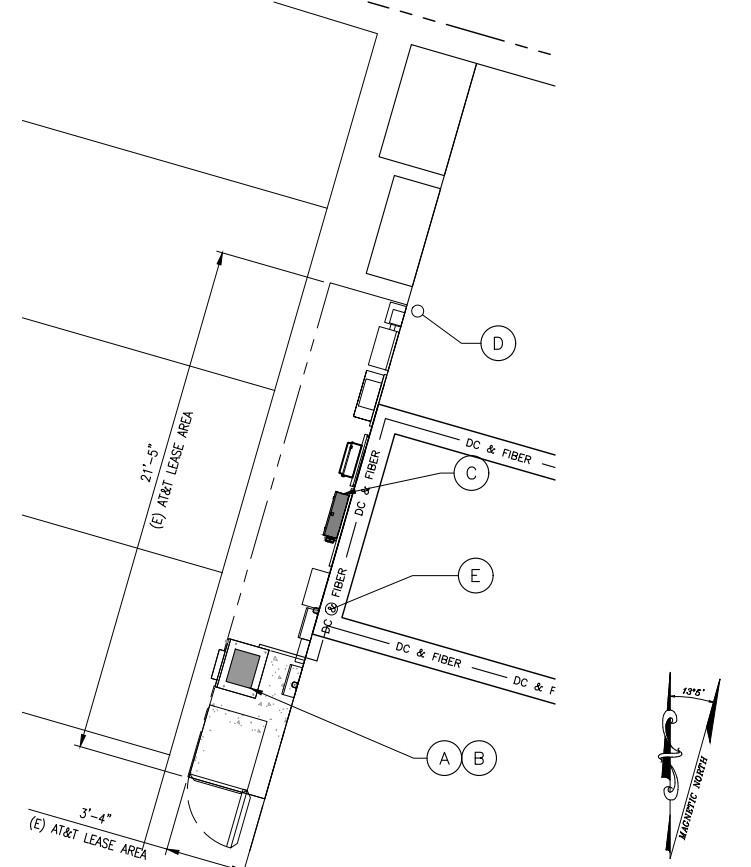
EXISTING EQUIPMENT LAYOUT AT BASEMENT

NEW EQUIPMENT LAYOUT KEY NOTES



EXISTING EQUIPMENT LAYOUT AT BASEMENT

NEW EQUIPMENT LAYOUT KEY NOTES



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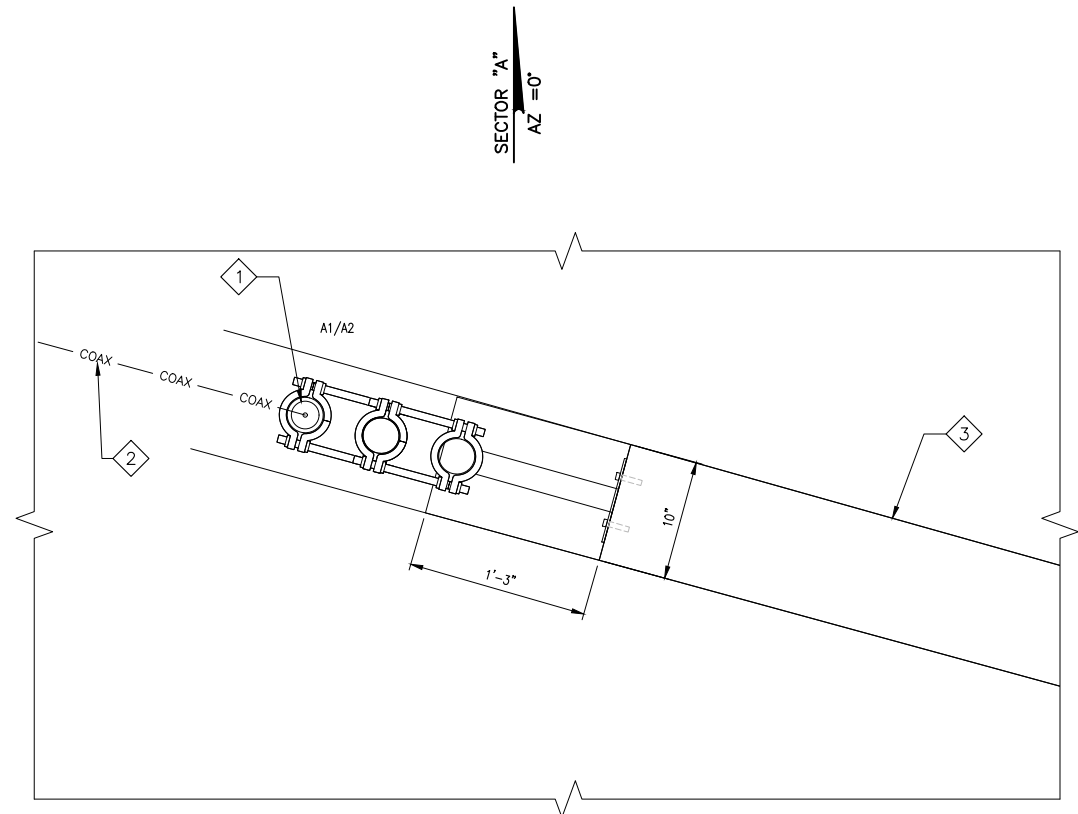
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SHEET TITLE
ROOF PLAN, EXISTING AND NEW EQUIPMENT LAYOUTS

SHEET NUMBER
A-2

EXISTING ANTENNA LAYOUT KEY NOTES

- 1 (E) AT&T OMNI ANTENNAS TO BE REMOVED (2) TOTAL
- 2 (E) AT&T 7/8" COAX CABLE TO BE REMOVED (2) TOTAL
- 3 (E) SIGNAGE

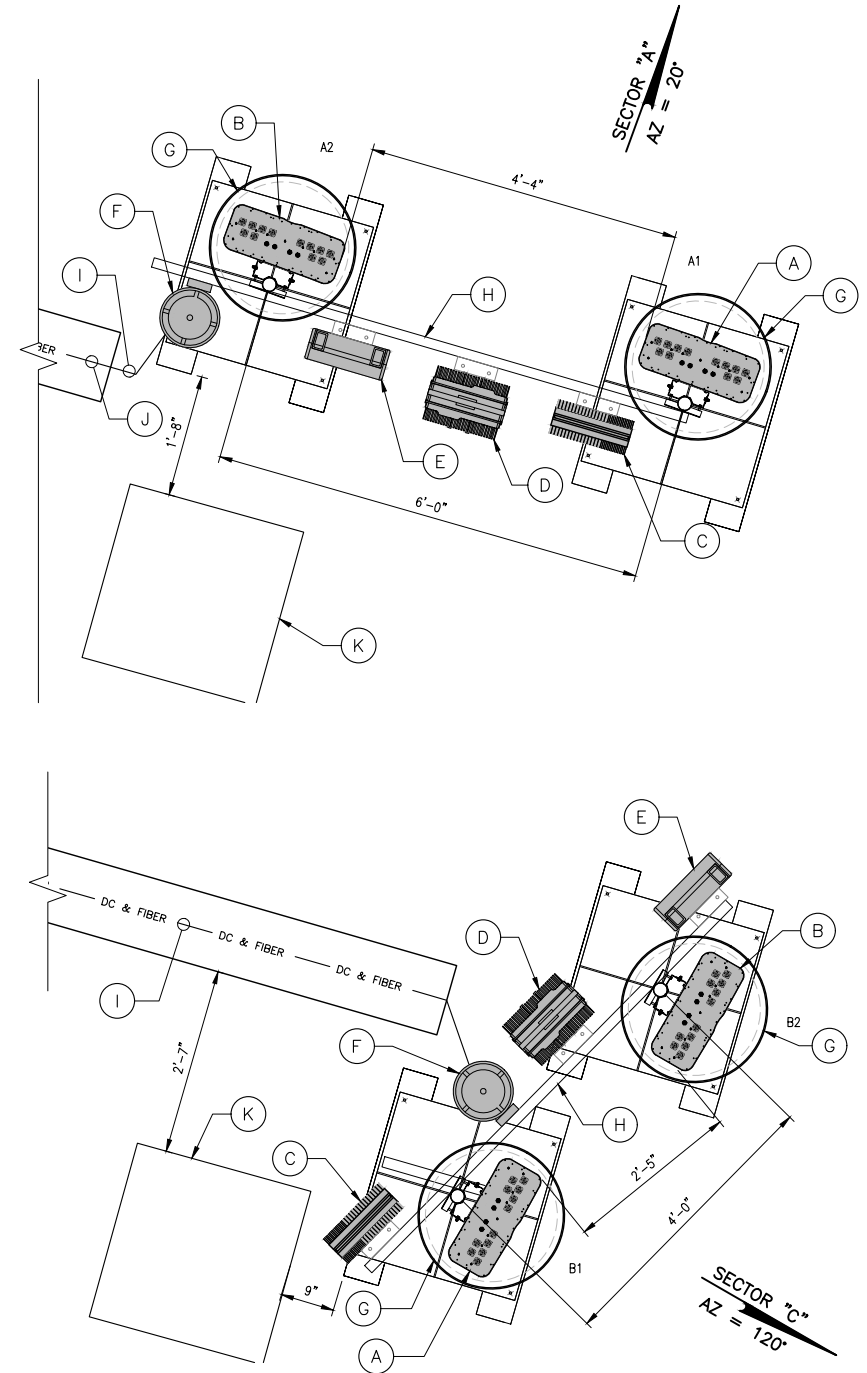


EXISTING ANTENNA LAYOUT

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

NEW ANTENNA LAYOUT KEY NOTES

- A (N) AT&T COMMSCOPE NNH4-65A-R6H4 PANEL ANTENNA (1) PER SECTOR (2) TOTAL
- B (N) AT&T COMMSCOPE NNHH-65A-R4 PANEL ANTENNA (1) PER SECTOR (2) TOTAL
- C (N) AT&T RRUS-4449 B5/B12, (1) PER SECTOR (2) TOTAL
- D (N) AT&T RRUS-8843 B2/B66A, (1) PER SECTOR (2) TOTAL
- E (N) AT&T RRUS-4415 B30, (1) PER SECTOR (2) TOTAL
- F (N) AT&T DC-9 SURGE SUPPRESSOR, (SQUID), (1) PER SECTOR (2) TOTAL
- G (N) AT&T 2'-0" RADOME, (2) PER SECTOR (4) TOTAL
- H (N) AT&T DIAGONAL H-FRAME (1) PER SECTOR (2) TOTAL
- I (N) AT&T (2) DC & (1) FIBER TRUNKS PER SECTOR FROM (E) EQUIPMENT LEASE AREA AT GRADE LEVEL TO EACH ANTENNA SECTOR (APPROX.) SECTOR "A", 60' ± SECTOR "C", 50' ± AND TO BE ROUTED ON (N) CABLE TRAY TO FOLLOW (N) FIBER & DC TRUNKS
- J (N) (2) AT&T 7/8" COAX CABLE ±60'-0" FROM EQUIPMENT ROOM TO ALPHA SECTOR POS 2 WITHIN (N) CABLE TRAY
- K (E) VENT, TYP OF 2



NEW ANTENNA LAYOUT

SCALE: 3/4"=1'-0" 0 4 8 1

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 SAN RAMON, CA 94583



360 CIVIC DRIVE., STE. C
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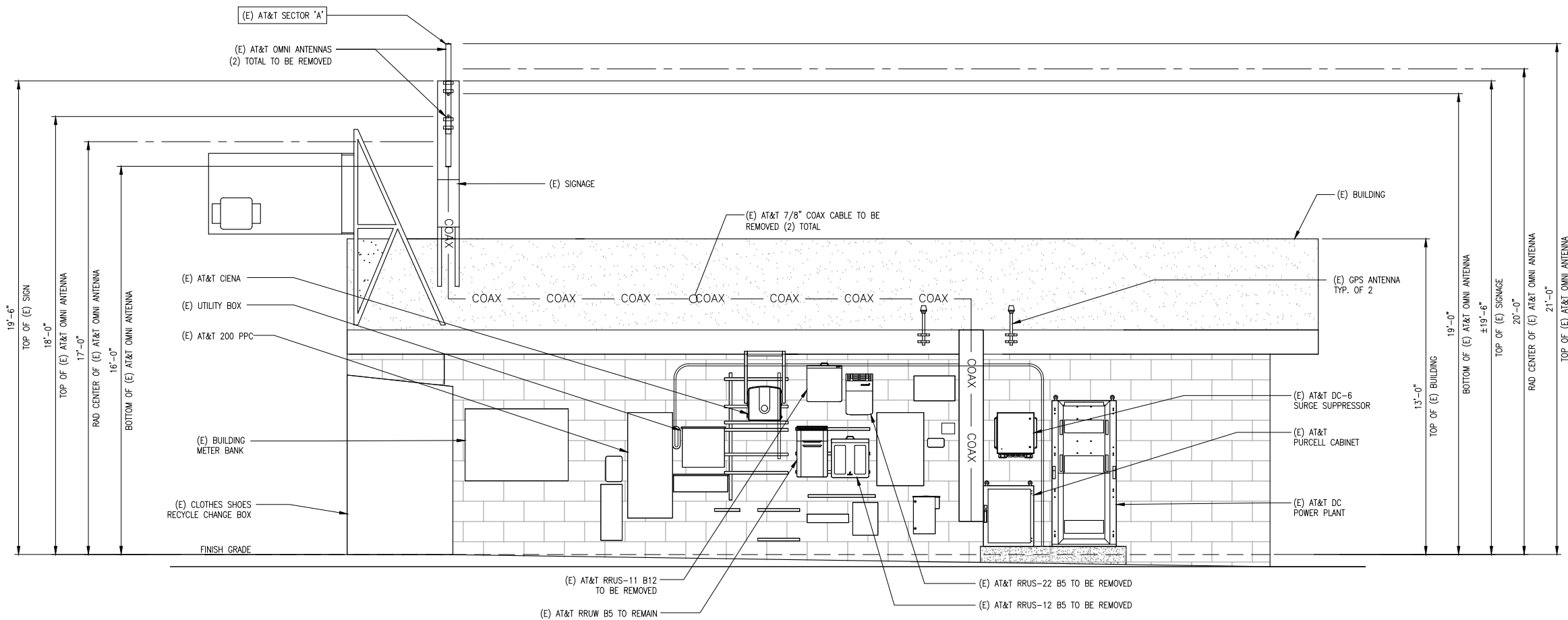
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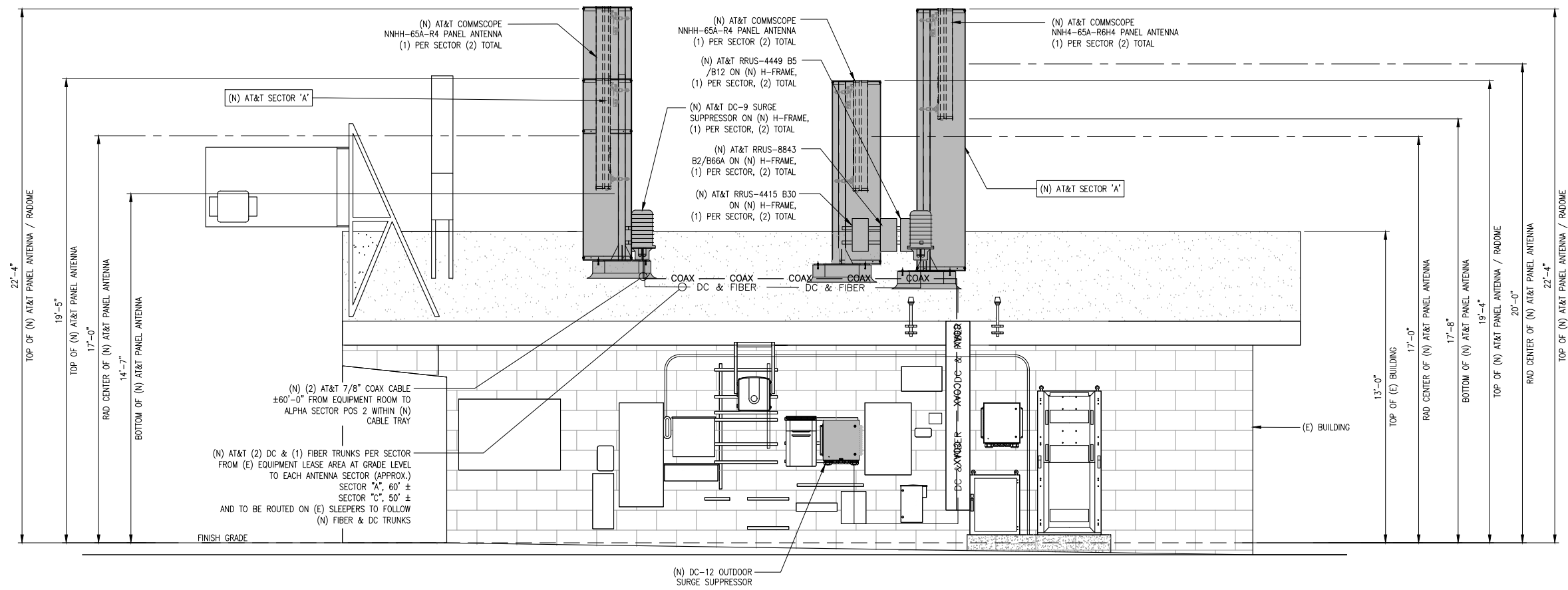
SHEET TITLE
 EXISTING AND NEW
 ANTENNA LAYOUTS

SHEET NUMBER
A-3



EXISTING WEST ELEVATION

SCALE: 3/8"=1'-0" 1



NEW WEST ELEVATION

SCALE: 3/8"=1'-0" 2

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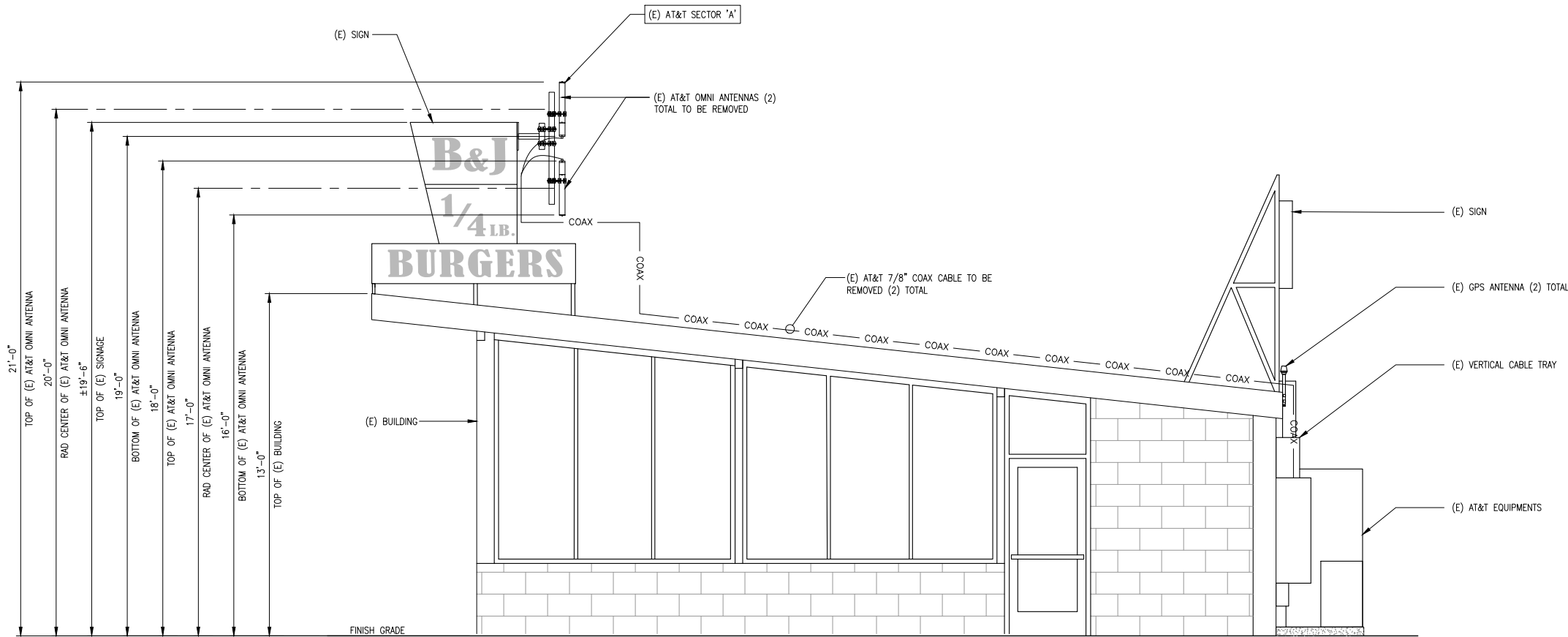
PLANS PREPARED BY:
INTELOCITY
 DESIGN | BUILD | INNOVATE
 1875 Coronado Ave
 Signal Hill, CA 90755
 A NUWAVE COMPANY

REV	DATE	DESCRIPTION	
7	07/30/21	PLANNING COMMENTS	JG
6	10/27/20	100% CLIENT COMMENTS	JG
5	10/07/20	100% CONSTRUCTION DRAWINGS	GO
4	09/30/20	MITIGATION CD REVISIONS	GO
3	06/01/20	RFDS UPDATE CD REVISIONS	GO
2	05/26/20	95% CONSTRUCTION DRAWINGS	GO

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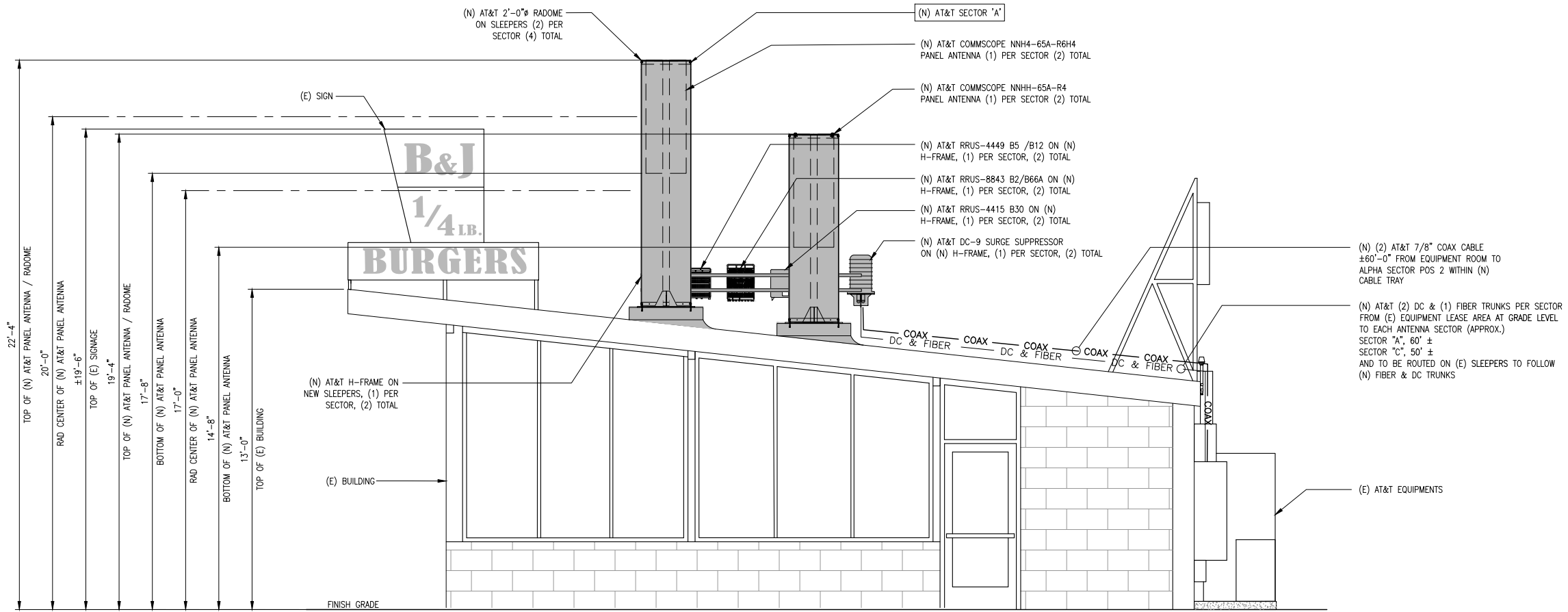
SHEET TITLE
 ELEVATIONS

SHEET NUMBER
A-4



EXISTING NORTH ELEVATION

SCALE: 3/8"=1'-0" 1



NEW NORTH ELEVATION

SCALE: 3/8"=1'-0" 2

CCL03113
 LTE 3C, LTE 4C,
 4TX4RX SOFTWARE
 RETROFIT, 5G NR 1DR-1
 3RD - GILMAN
 6202 3RD ST
 SAN FRANCISCO, CA 94124



5001 EXECUTIVE PKWY
 SAN RAMON, CA 94583



360 CIVIC DRIVE., STE. C
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PLANS PREPARED BY:



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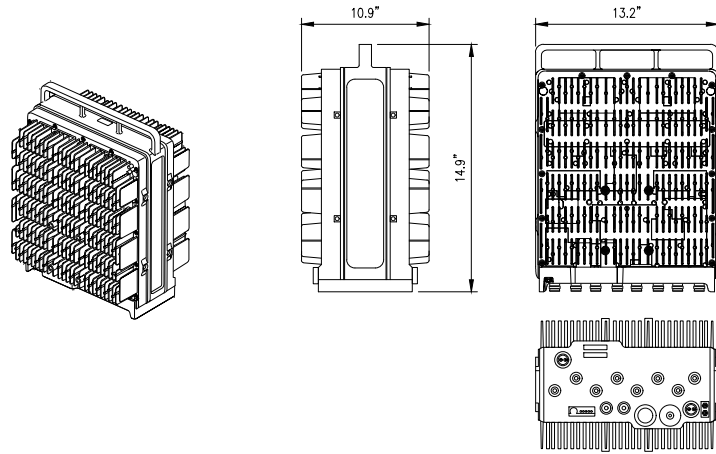
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SHEET TITLE
 ELEVATIONS

SHEET NUMBER
 A-5

ERICSSON RRUS-8843 B2, B66A

DIMENSIONS, HxWxD: 14.9"x13.2"x10.9"
 TOTAL WEIGHT (EXCLUDING MNT. HARDWARE): 72 lbs



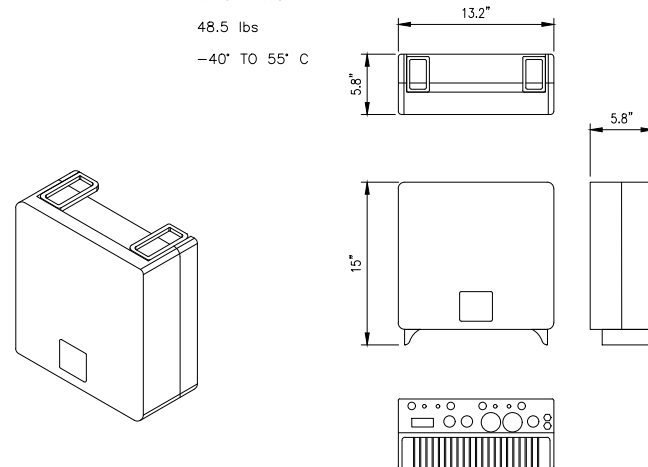
RRUS-8843 SPECIFICATIONS

NO SCALE

6

ERICSSON RRUS-4415 B30

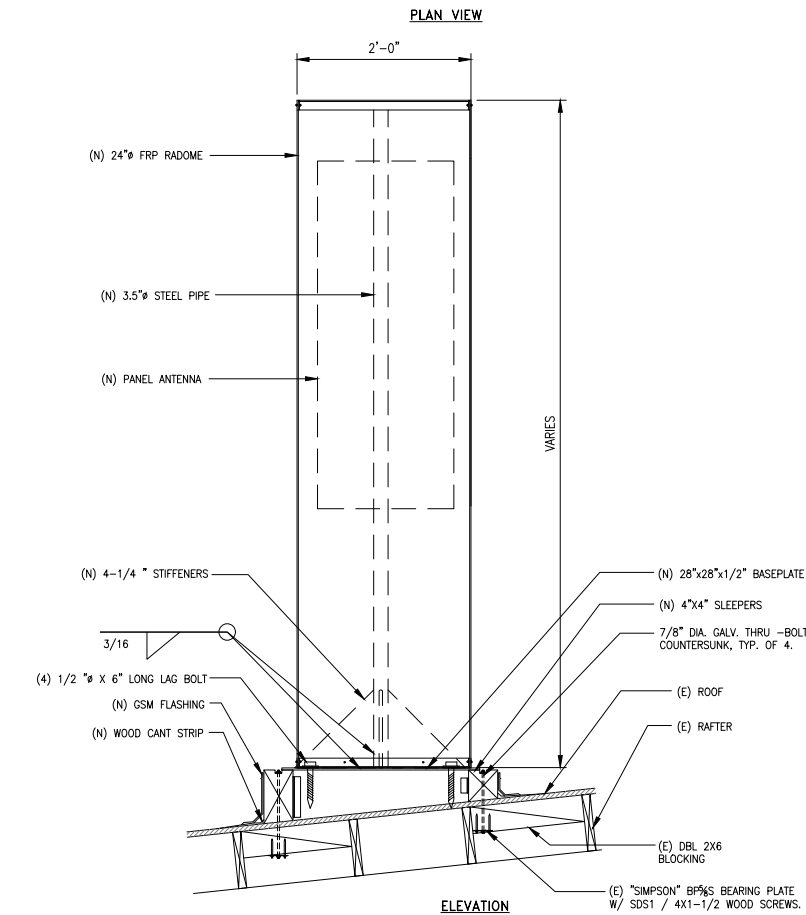
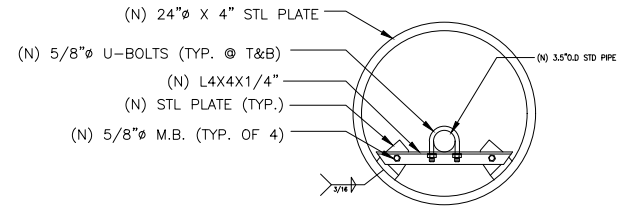
DIMENSIONS, HxWxD: 15"x13.2"x5.8"
 POWER CONSUMPTION: 4x40 WATTS
 TOTAL WEIGHT: 48.5 lbs
 TEMPERATURE: -40° TO 55° C



RRUS-4415 B30 SPECIFICATIONS

NO SCALE

7



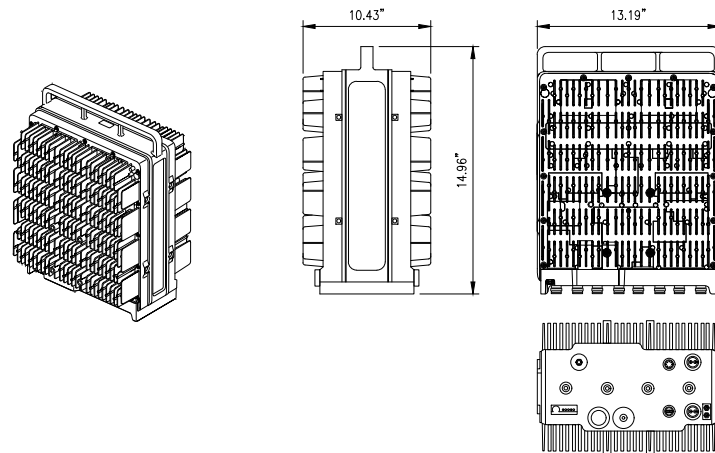
ANTENNA RADOME DETAIL

NO SCALE

4

ERICSSON RRUS-4449 B5, B12

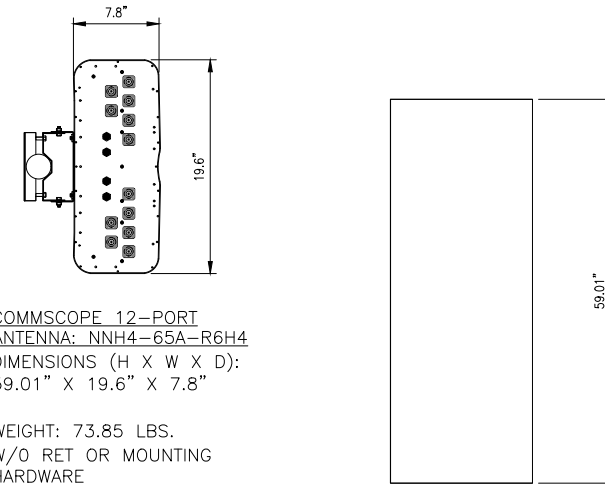
DIMENSIONS, HxWxD: 14.96"x13.19"x10.43"
 TOTAL WEIGHT (EXCLUDING MNT. HARDWARE): 73 lbs



RRUS-4449 B5, B12 SPECIFICATIONS

NO SCALE

5



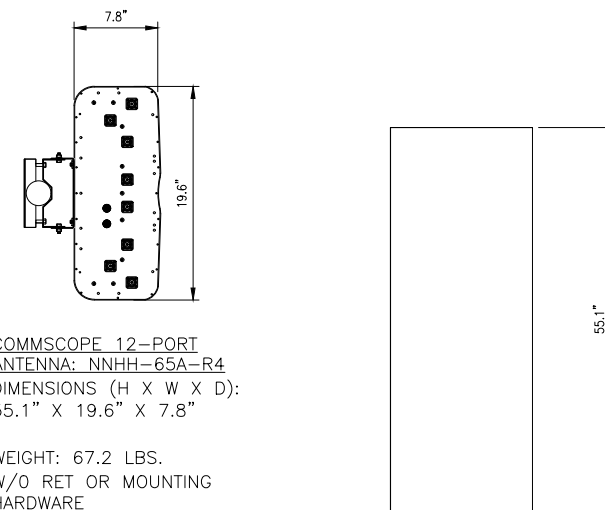
COMMSCOPE 12-PORT ANTENNA: NNH4-65A-R6H4
 DIMENSIONS (H X W X D): 59.01" X 19.6" X 7.8"

WEIGHT: 73.85 LBS.
 W/O RET OR MOUNTING HARDWARE

COMMSCOPE 12-PORT ANTENNA

NO SCALE

1



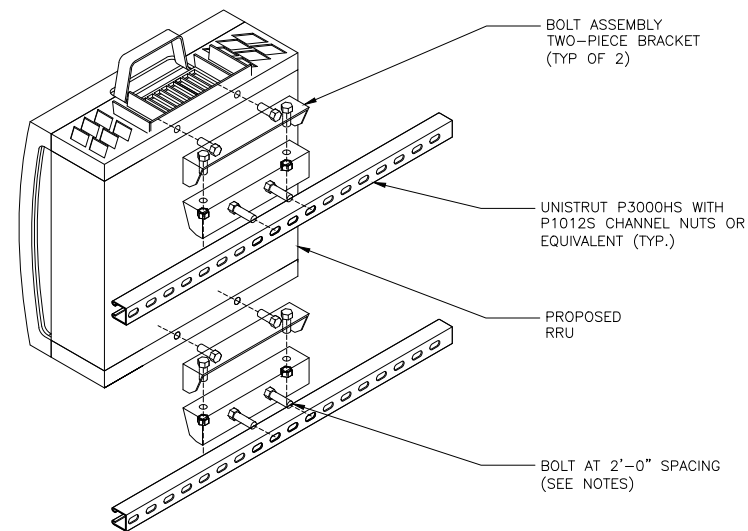
COMMSCOPE 12-PORT ANTENNA: NNHH-65A-R4
 DIMENSIONS (H X W X D): 55.1" X 19.6" X 7.8"

WEIGHT: 67.2 LBS.
 W/O RET OR MOUNTING HARDWARE

COMMSCOPE 12-PORT ANTENNA

NO SCALE

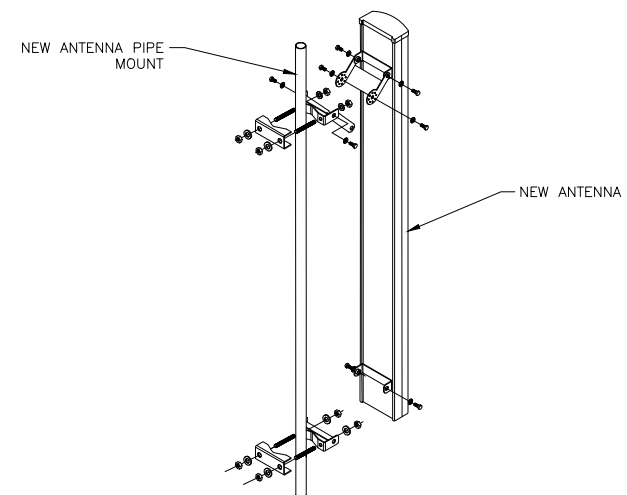
2



TYPICAL RRU MOUNTING DETAIL

NO SCALE

8



TYPICAL ANTENNA MOUNT

NO SCALE

3

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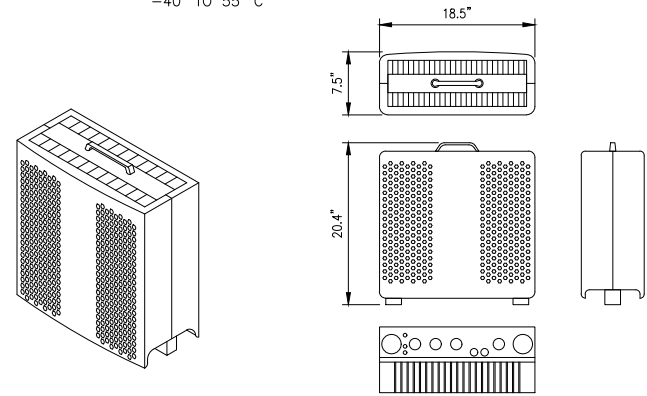
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SHEET TITLE
DETAILS

SHEET NUMBER
D-1

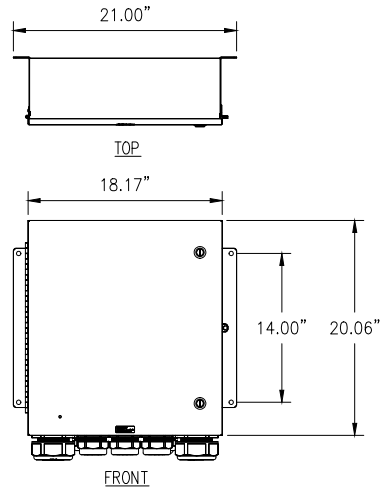
ERICSSON RRUS-12 B2

DIMENSIONS, HxWxD: 20.4"x18.5"x7.5"
 POWER CONSUMPTION: 200 WATTS
 TOTAL WEIGHT: 50 lbs
 TEMPERATURE: -40° TO 55° C



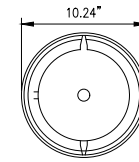
NOTE:
 1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

EQUIPMENT SPECIFICATIONS
 MFG: RAYCAP
 MODEL: DC12-48-60-0-25E
 HEIGHT: 20.26 IN
 WIDTH: 18.17 IN
 DEPTH: 6.37 IN
 WEIGHT: 56.3 LBS

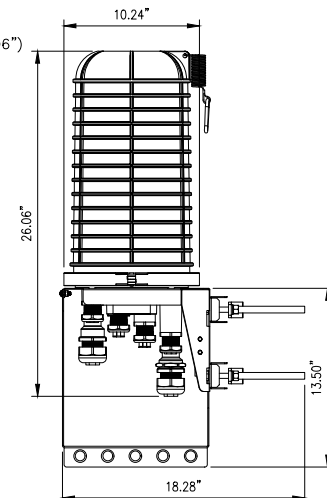


RAYCAP DC9-48-60-24-8C-EV

DIMENSIONS, WxDxH: 260x662mm (10.24"x26.06")
 NOMINAL OPERATING VOLTAGE: 48 VDC
 NOMINAL DISCHARGE CURRENT: 20 kA 8/20µs
 MAXIMUM DISCHARGE CURRENT: 12.5 kA 10/350µs
 MAXIMUM CONTINUOUS OPERATING VOLTAGE: 60 VDC
 VOLTAGE PROTECTION RATING: 330 V
 WIND LOADING: 150 MPH (SUSTAINED)
 195 MPH (GUST)
 TOTAL WEIGHT: 26.2 lbs



PLAN VIEW



SIDE VIEW

RRUS-12 B2 TO BE REMOVED

NO SCALE

7

DC-12 SPECIFICATIONS

NO SCALE

4

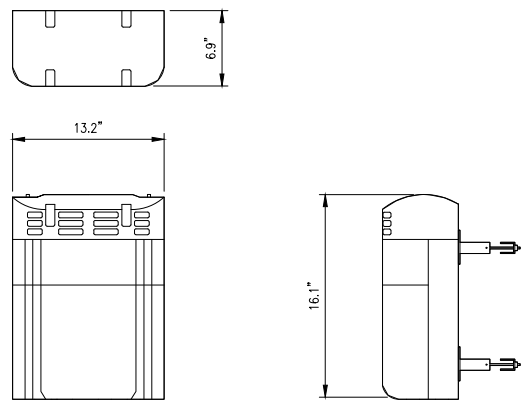
DC 9 SURGE PROTECTION DETAIL

NO SCALE

1

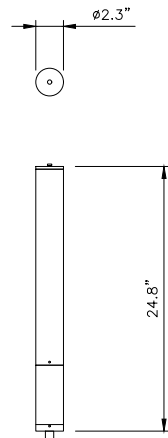
ERICSSON RRUS-22 B5

DIMENSIONS, HxWxD: (16.1"Hx13.2"Wx6.9"D)
 TOTAL WEIGHT: 41.9 lbs



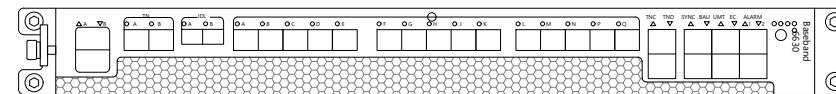
DB SPECTRA OMNI ANTENNA:
 DIMENSIONS (H X W X D):
 24.8" X 2.3" X 1"

WEIGHT: 4.4 LBS.



ERICSSON BASEBAND UNIT 6630

DC POWER SUPPLY
 NOMINAL VOLTAGE: -48VDC
 TEMPERATURE: 0 TO + 55 DEG C
 DIMENSION: 19" W X 13.8"D
 WEIGHT: 14.3 lbs
 15 CPRI PORTS
 MAXIMUM OF 24 CELLS (18 WITH NB-IOT)
 2 OPTICAL (1/10Gbps)/2 ELECTRICAL (1Gbps) PORTS



RRUS-22 B5 TO BE REMOVED

NO SCALE

8

OMNI ANTENNA TO BE REMOVED

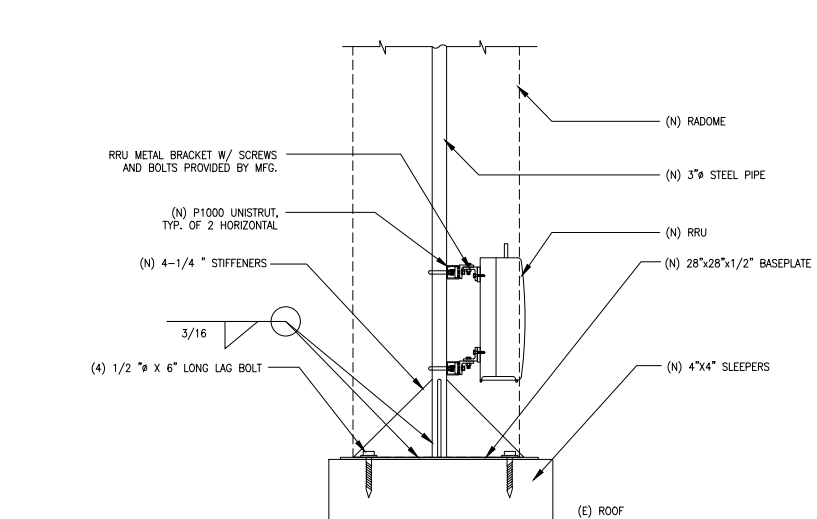
NO SCALE

5

ERICSSON BASEBAND UNIT 6630

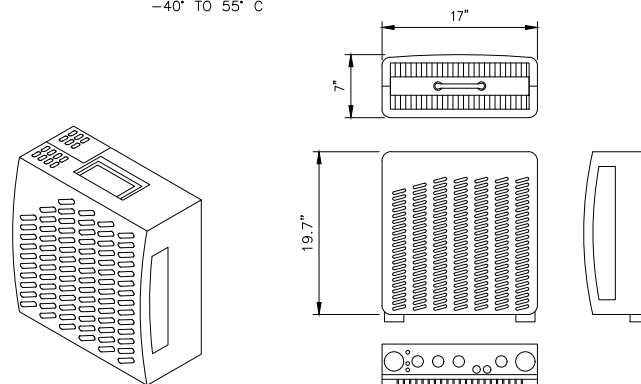
NO SCALE

2



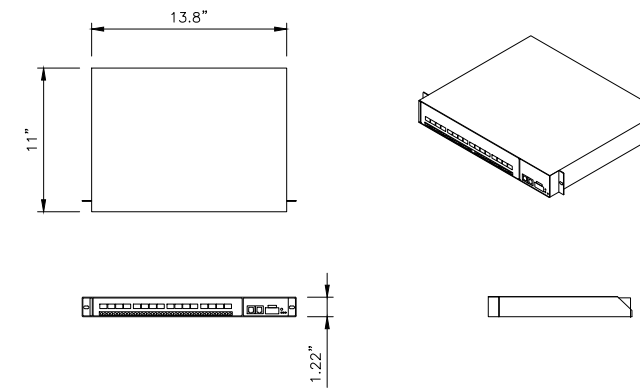
ERICSSON RRUS-11 B12

DIMENSIONS, HxWxD: 20"x17"x7"
 POWER CONSUMPTION: 200 WATTS
 TOTAL WEIGHT: 50 lbs
 TEMPERATURE: -40° TO 55° C



XMU_03

DIMENSIONS, WxDxH: (13.8"x11"x1.22")
 MAX POWER CONSUMPTION: 80 W
 BREAKER SIZE: MIN 15 A, MAX 20 A
 TOTAL WEIGHT: ± 5 lbs



RRUS MOUNT ON H-FRAME

NO SCALE

9

RRUS-11 B12 TO BE REMOVED

NO SCALE

6

XMU_03 DETAIL

NO SCALE

3

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 4TX4RX SOFTWARE
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DETAILS

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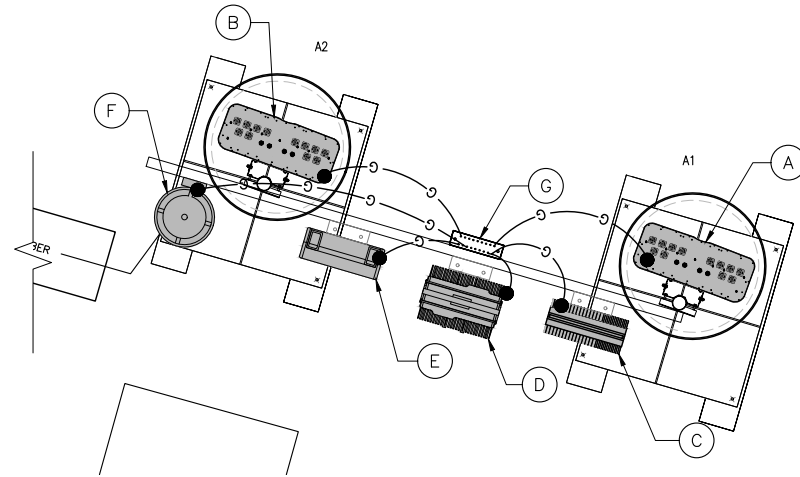
D-2

GROUNDING NOTES:

- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
- ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
- GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
- ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
- GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
- INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
- EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
- GROUND BARS:
 - 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.
- ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
- OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
- GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
- 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.
- GROUNDING AT PPC CABINET SHALL BE VERTICALLY INSTALLED.
- ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
- ALL EMT RUNS SHALL BE GROUNDED AND HAVE A BUSHING, NO PVC ABOVE GROUND.
- USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OF LUGS.
- POWER AND TELCO CABINETS SHALL BE GROUNDED (BONDED) TOGETHER.
- NO LB'S ALLOWED ON GROUNDING.
- PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON COAX AT ANTENNAS AND DOGHOUSE.
- 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.
- 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).
- 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 ANTI-OXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TORQUING RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED.
- THE ANTENNA CABLES SHALL BE GROUNDED AT THE TOP AND BOTTOM OF THE VERTICAL RUN FOR LIGHTING 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.
- 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.
- PROVIDE PVC SLEEVES WHERE GROUNDING CONDUCTORS PASS THROUGH THE BUILDING WALLS AND /OR CEILINGS.
- INSTALL GROUND BUSHINGS ON ALL METALLIC CONDUITS AND BOND TO THE EQUIPMENT GROUND BUSS IN THE PANEL BOARD.
- 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.
- ALL PROPOSED GROUNDING CONDUCTORS SHALL BE ROUTED AND CONNECTED TO THE MAIN GROUND BAR OR EXISTING GROUND RING.

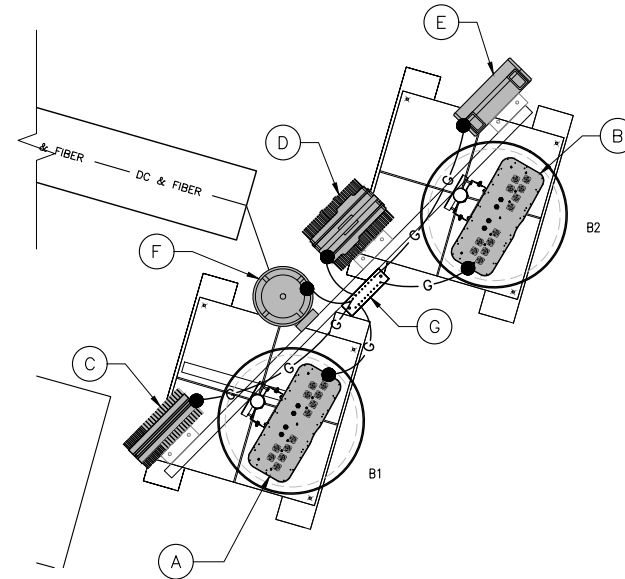
NEW ANTENNA LAYOUT KEY NOTES

- (A) (N) AT&T COMMSCOPE NNH4-65A-R6H4 PANEL ANTENNA (1) PER SECTOR (2) TOTAL
- (B) (N) AT&T COMMSCOPE NNHH-65A-R4 PANEL ANTENNA (1) PER SECTOR (2) TOTAL
- (C) (N) AT&T RRUS-4449 B5/B12. (1) PER SECTOR (2) TOTAL
- (D) (N) AT&T RRUS-8843 B2/B66A. (1) PER SECTOR (2) TOTAL
- (E) (N) AT&T RRUS-4415 B30. (1) PER SECTOR (2) TOTAL
- (F) (N) AT&T DC-9 SURGE SUPPRESSOR, (SQUID), (1) PER SECTOR (2) TOTAL
- (G) (N) AT&T GROUND BUSS BAR



GROUNDING SYMBOLS

- MECHANICAL CONNECTION
- COMPRESSION TYPE CONNECTION
- G— #2 AWG INSULATED COPPER GROUND WIRE
- ▶ EXOTHERMIC WELD (CADWELD/THERMOWELD)



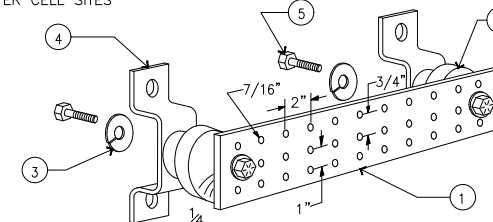
NEW ANTENNA GROUNDING PLAN

NO SCALE

1

NOTE:

NETWORK VISION MMBS DEPLOYMENTS INSTALLED AT LEGACY CDMA OR IDEN SITES SHALL USE THE EXISTING COPPER GROUND BARS IF THEY ARE PRESENT. IF THE COPPER GROUND BARS HAVE BEEN STOLEN THEY SHALL BE REPLACED WITH THE STAINLESS STEEL BAR AF000062 -IMN 010328 FOR MMBS OUTDOOR AND AF000063 -IMN 010330 FOR LEGACY SHELTER CELL SITES



- ① GALVANIZED STEEL GROUND BAR, "x 4"x 20", NEWTON INSTRUMENT CO. CAT. NO. B-6142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
- ② INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR APPROVED EQUAL.
- ③ 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 OR APPROVED EQUAL
- ④ WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-6056 OR APPROVED EQUAL
- ⑤ 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1 OR APPROVED EQUAL
- ⑥ INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPOLE STRUCTURE. CONNECTION TO TOWER/MONOPOLE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS.

GENERAL GROUNDING NOTES

NO SCALE

4

NOT USED

NO SCALE

3

GROUND BAR DETAIL

NO SCALE

2

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SHEET TITLE
**GROUNDING NOTES,
PLANS AND DETAILS**

SHEET NUMBER

G-1



CEQA Exemption Determination

PROPERTY INFORMATION/PROJECT DESCRIPTION

Project Address 6202 03RD ST		Block/Lot(s) 5461053
Case No. 2021-006247PRJ		Permit No.
<input type="checkbox"/> Addition/ Alteration	<input type="checkbox"/> Demolition (requires HRE for Category B Building)	<input type="checkbox"/> New Construction
<p>Project description for Planning Department approval. Remove (2) (E) omni antennas & antenna mount; Install (4) (N) antennas within (4) (N) radomes on the roof top; Remove (3) (N) RRUs; Install (6) (N) RRUs; Install (2) (N) surge suppressors; Install (N) equipment within (E) cabinets.</p>		

STEP 1: EXEMPTION TYPE

The project has been determined to be exempt under the California Environmental Quality Act (CEQA).	
<input checked="" type="checkbox"/>	Class 1 - Existing Facilities. Interior and exterior alterations; additions under 10,000 sq. ft.
<input type="checkbox"/>	Class 3 - New Construction. Up to three new single-family residences or six dwelling units in one building; commercial/office structures; utility extensions; change of use under 10,000 sq. ft. if principally permitted or with a CU.
<input type="checkbox"/>	<p>Class 32 - In-Fill Development. New Construction of seven or more units or additions greater than 10,000 sq. ft. and meets the conditions described below:</p> <p>(a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.</p> <p>(b) The proposed development occurs within city limits on a project site of no more than 5 acres substantially surrounded by urban uses.</p> <p>(c) The project site has no value as habitat for endangered rare or threatened species.</p> <p>(d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.</p> <p>(e) The site can be adequately served by all required utilities and public services.</p>
<input type="checkbox"/>	Other _____
<input type="checkbox"/>	Common Sense Exemption (CEQA Guidelines section 15061(b)(3)). It can be seen with certainty that there is no possibility of a significant effect on the environment.

**STEP 3: PROPERTY STATUS - HISTORIC RESOURCE
TO BE COMPLETED BY PROJECT PLANNER**

PROPERTY IS ONE OF THE FOLLOWING: (refer to Property Information Map)	
<input type="checkbox"/>	Category A: Known Historical Resource. GO TO STEP 5.
<input checked="" type="checkbox"/>	Category B: Potential Historical Resource (over 45 years of age). GO TO STEP 4.
<input type="checkbox"/>	Category C: Not a Historical Resource or Not Age Eligible (under 45 years of age). GO TO STEP 6.

**STEP 4: PROPOSED WORK CHECKLIST
TO BE COMPLETED BY PROJECT PLANNER**

Check all that apply to the project.	
<input type="checkbox"/>	1. Change of use and new construction. Tenant improvements not included.
<input type="checkbox"/>	2. Regular maintenance or repair to correct or repair deterioration, decay, or damage to building.
<input type="checkbox"/>	3. Window replacement that meets the Department's <i>Window Replacement Standards</i> . Does not include storefront window alterations.
<input type="checkbox"/>	4. Garage work. A new opening that meets the <i>Guidelines for Adding Garages and Curb Cuts</i> , and/or replacement of a garage door in an existing opening that meets the Residential Design Guidelines.
<input type="checkbox"/>	5. Deck, terrace construction, or fences not visible from any immediately adjacent public right-of-way.
<input type="checkbox"/>	6. Mechanical equipment installation that is not visible from any immediately adjacent public right-of-way.
<input type="checkbox"/>	7. Dormer installation that meets the requirements for exemption from public notification under <i>Zoning Administrator Bulletin No. 3: Dormer Windows</i> .
<input type="checkbox"/>	8. Addition(s) that are not visible from any immediately adjacent public right-of-way for 150 feet in each direction; does not extend vertically beyond the floor level of the top story of the structure or is only a single story in height; does not have a footprint that is more than 50% larger than that of the original building; and does not cause the removal of architectural significant roofing features.
Note: Project Planner must check box below before proceeding.	
<input checked="" type="checkbox"/>	Project is not listed. GO TO STEP 5.
<input type="checkbox"/>	Project does not conform to the scopes of work. GO TO STEP 5.
<input type="checkbox"/>	Project involves four or more work descriptions. GO TO STEP 5.
<input type="checkbox"/>	Project involves less than four work descriptions. GO TO STEP 6.

**STEP 5: ADVANCED HISTORICAL REVIEW
TO BE COMPLETED BY PRESERVATION PLANNER**

Check all that apply to the project.	
<input type="checkbox"/>	1. Reclassification of property status. (Attach HRER Part I) <input type="checkbox"/> Reclassify to Category A a. Per HRER b. Other (specify): <input type="checkbox"/> Reclassify to Category C (No further historic review)
<input type="checkbox"/>	2. Project involves a known historical resource (CEQA Category A) as determined by Step 3 and conforms entirely to proposed work checklist in Step 4.
<input type="checkbox"/>	3. Interior alterations to publicly accessible spaces that do not remove, alter, or obscure character defining features.
<input type="checkbox"/>	4. Window replacement of original/historic windows that are not "in-kind" but are consistent with existing historic character.
<input type="checkbox"/>	5. Façade/storefront alterations that do not remove, alter, or obscure character-defining features.

<input type="checkbox"/>	6. Raising the building in a manner that does not remove, alter, or obscure character-defining features.
<input type="checkbox"/>	7. Restoration based upon documented evidence of a building's historic condition, such as historic photographs, plans, physical evidence, or similar buildings.
<input checked="" type="checkbox"/>	8. Work consistent with the <i>Secretary of the Interior Standards for the Treatment of Historic Properties (Analysis required)</i> : Mechanical equipment installation visible from a public ROW: Remove (2) (E) omni antennas & antenna mount; Install (4) (N) antennas within (4) (N) radomes on the roof top; Remove (3) (N) RRUs; Install (6) (N) RRUs; Install (2) (N) surge suppressors; Install (N) equipment within (E) cabinets.
<input type="checkbox"/>	9. Work compatible with a historic district (Analysis required):
<input type="checkbox"/>	10. Work that would not materially impair a historic resource (Attach HRER Part II).
Note: If ANY box in STEP 5 above is checked, a Preservation Planner MUST sign below.	
<input checked="" type="checkbox"/>	Project can proceed with exemption review. The project has been reviewed by the Preservation Planner and can proceed with exemption review. GO TO STEP 6.
Comments (optional):	
Preservation Planner Signature: Monica Giacomucci	

STEP 6: EXEMPTION DETERMINATION
TO BE COMPLETED BY PROJECT PLANNER

<input checked="" type="checkbox"/>	No further environmental review is required. The project is exempt under CEQA. There are no unusual circumstances that would result in a reasonable possibility of a significant effect.	
	Project Approval Action: Building Permit	Signature: Monica Giacomucci
	If Discretionary Review before the Planning Commission is requested, the Discretionary Review hearing is the Approval Action for the	09/09/2021
	Supporting documents are available for review on the San Francisco Property Information Map, which can be accessed at https://sfplanninggis.org/PIM/ . Individual files can be viewed by clicking on the Planning Applications link, clicking the "More Details" link under the project's environmental record number (ENV) and then clicking on the "Related Documents" link. Once signed or stamped and dated, this document constitutes an exemption pursuant to CEQA Guidelines and Chapter 31 of the Administrative Code. In accordance with Chapter 31 of the San Francisco Administrative Code, an appeal of an exemption determination to the Board of Supervisors can only be filed within 30 days of the project receiving the approval action.	

STEP 7: MODIFICATION OF A CEQA EXEMPT PROJECT

TO BE COMPLETED BY PROJECT PLANNER

In accordance with Chapter 31 of the San Francisco Administrative Code, when a California Environmental Quality Act (CEQA) exempt project changes after the Approval Action and requires a subsequent approval, the Environmental Review Officer (or his or her designee) must determine whether the proposed change constitutes a substantial modification of that project. This checklist shall be used to determine whether the proposed changes to the approved project would constitute a "substantial modification" and, therefore, be subject to additional

MODIFIED PROJECT DESCRIPTION

Modified Project Description:

DETERMINATION IF PROJECT CONSTITUTES SUBSTANTIAL MODIFICATION

Compared to the approved project, would the modified project:

- | | |
|--------------------------|--|
| <input type="checkbox"/> | Result in expansion of the building envelope, as defined in the Planning Code; |
| <input type="checkbox"/> | Result in the change of use that would require public notice under Planning Code Sections 311 or 312; |
| <input type="checkbox"/> | Result in demolition as defined under Planning Code Section 317 or 19005(f)? |
| <input type="checkbox"/> | Is any information being presented that was not known and could not have been known at the time of the original determination, that shows the originally approved project may no longer qualify for the exemption? |

If at least one of the above boxes is checked, further environmental review is required

DETERMINATION OF NO SUBSTANTIAL MODIFICATION

- | | |
|--------------------------|---|
| <input type="checkbox"/> | The proposed modification would not result in any of the above changes. |
|--------------------------|---|

If this box is checked, the proposed modifications are exempt under CEQA, in accordance with prior project approval and no additional environmental review is required. This determination shall be posted on the Planning Department website and office and mailed to the applicant, City approving entities, and anyone requesting written notice. In accordance with Chapter 31, Sec 31.08j of the San Francisco Administrative Code, an appeal of this determination can

Planner Name:

Date:



Review of Cellular Antenna Site Proposals

Project Sponsor : AT&T Wireless **Planner:** Elizabeth Watty
RF Engineer Consultant: Hammitt & Edison **Phone Number:** (707) 996-5200
Project Address/Location: 6202 03rd St
Site ID: 90 **SiteNo.:** CCL03113 **Report Dated:** 8/30/2021

The following information is required to be provided before approval of this project can be made. These information requirements are established in the San Francisco Planning Department Wireless Telecommunications Services Facility Sitting Guidelines dated August 1996.

In order to facilitate quicker approval of this project, it is recommended that the project sponsor review this document before submitting the proposal to ensure that all requirements are included.

- X 1. The location, identity and total number of all operational radiating antennas installed at this site was provided. (WTS-FSG, Section 10.4.1, Section 11, 2b)
 Number of Existing Antennas: 2
- X 2. A list of all radiating antennas located within 100 feet of the site which could contribute to the cumulative radio frequency energy at this location was provided. (WTS-FSG, Section 10.5.2)
 Yes **No**
- X 3. A narrative description of the proposed work for this project was provided. The description should be consistent with scope of work for the final installation drawings. (WTS-FSG, Section 10)
 Yes **No**
- X 4. An inventory of the make and model of antennas or transmitting equipment being installed or removed was provided. The antenna inventory included the proposed installation height above the nearest walking/working surface, the height above ground level and the orientations of the antennas. (WTS-FSG, Section 10.5.2)
 Yes **No**
- X 5. A description of the existing radio frequency energy environment at the nearest walking/working surface to the antennas and at ground level was provided. A description of any assumptions made when doing the calculations was also provided. (WTS-FSG, Section 10.4.1a, Section 10.4.1c, Section 10.5)
 Yes **No**
- X 6. The maximum effective radiated power per sector for the proposed installation was provided along with the frequency bands used by the antennas. (WTS-FSG, Section 10.1.2, Section 10.5.1)
 Maximum Effective Radiated Power: 17620 Watts
- X 7. Based on the antenna orientation, the maximum cumulative predicted radio frequency energy level for any nearby publicly accessible building or area was provided. (WTS-FSG, Section 10.4, Section 10.5.1)
 Maximum percent of applicable FCC public standard at the nearest building or structure: 45 %
 Distance to this nearby building or structure: 30 feet
- X 8. The estimated maximum cumulative radio frequency fields for the proposed site at ground level. (WTS-FSG, Section 10.5)
 Maximum RF Exposure: 0.48 mW/cm² Maximum RF Exposure Percent: 68 %

X 9. The maximum distance (in feet) the three dimensional perimeter of the radio frequency energy level equal to the public and occupational exposure limit is calculated to extend from the face of the antennas was provided. Any potential walking/working surfaces exceeding regulatory standards were identified. (WTS-FSG, Section 10.9.2)

Public Exclusion Area

Public Exclusion In Feet: 88

Occupational Exclusion Area

Occupational Exclusion In Feet: 33

X 10. A description of whether or not the public has access to the antennas was provided. A description was also provided of any existing or proposed warning signs, barricades, barriers, rooftop stripping or other safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards. All signs will be provided in English, Spanish and Chinese. (WTS-FSG, Section 9.5, Section 10.9.2)

Yes No

X 11. Statement regarding the engineer who produced the report and their qualifications was provided. The engineer is licensed in the State of California. (WTS-FSG, Section 11,8)

Yes No

X **Approved.** Based on the information provided the following staff believes that the project proposal will comply with the current Federal Communication Commission safety standards for radiofrequency radiation exposure. FCC standard CFR47 1.1310 **Approval of the subsequent Project Implementation Report is based on project sponsor completing recommendations by project consultant and DPH.**

Comments:

There are 2 antennas existing operated by AT&T Wireless installed on the roof top of the building at 6202 03rd St. Existing RF levels at ground level were around 1% of the FCC public exposure limit. No other antennas were observed within 100 feet of this site. AT&T Wireless proposes to install 0 new antennas. The antennas are mounted at a height of 20 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.48 mW/sq cm., which is 68 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 88 feet and does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Workers should not have access to within 33 feet of the front of the antennas while they are in operation. Due to their mounting locations and height, the AT&T antennas would not be accessible to unauthorized persons. Install RF stripping (red and yellow) as noted in the RF report, figure 3.

 Not Approved, additional information required.

 Not Approved, does not comply with Federal Communication Commission safety standards for radiofrequency radiation exposure. FCC Standard

 1 Hours spent reviewing

Charges to Project Sponsor (in addition to previous charges, to be received at time of receipt by Sponsor)

Dated: 8/31/2021

Signed: _____



Arthur Duque

Environmental Health Management Section
San Francisco Dept. of Public Health
1390 Market St., Suite 210,
San Francisco, CA. 94102
(415) 252-3966

**AT&T Mobility • Base Station No. CCL03113
6202 Third Street • San Francisco, California
FA No. 10088087, USID No. 12921, PA No. 3701A0TB4G**

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of AT&T Mobility, a personal wireless telecommunications carrier, to evaluate proposed modifications to its existing base station (Site No. CCL03113) located at 6202 Third Street in San Francisco, California, for compliance with appropriate guidelines limiting human exposure to radio frequency (“RF”) electromagnetic fields.

Background

The San Francisco Department of Public Health has adopted an 11-point checklist for determining compliance of proposed WTS facilities or proposed modifications to such facilities with prevailing safety standards. The acceptable exposure limits set by the FCC are shown in Figure 1. The most restrictive limit for exposures of unlimited duration at several wireless service bands are as follows:

Wireless Service Band	Transmit Frequency	“Uncontrolled” Public Limit	Occupational Limit (5 times Public)
Microwave (point-to-point)	1–80 GHz	1.0 mW/cm ²	5.0 mW/cm ²
Millimeter-wave	24–47	1.0	5.0
Part 15 (WiFi & other unlicensed)	2–6	1.0	5.0
CBRS (Citizens Broadband Radio)	3,550 MHz	1.0	5.0
BRS (Broadband Radio)	2,490	1.0	5.0
WCS (Wireless Communication)	2,305	1.0	5.0
AWS (Advanced Wireless)	2,110	1.0	5.0
PCS (Personal Communication)	1,930	1.0	5.0
Cellular	869	0.58	2.9
SMR (Specialized Mobile Radio)	854	0.57	2.85
700 MHz	716	0.48	2.4
600 MHz	617	0.41	2.05
[most restrictive frequency range]	30–300	0.20	1.0

Checklist

Reference has been made to information provided by AT&T, including construction drawings by Intelocity, LLC, dated July 30, 2021. It should be noted that the calculation results in this Statement include several “worst-case” assumptions and therefore are expected to overstate actual power density levels from the proposed operations. Figure 2 describes the calculation methodologies, reflecting the facts that a directional antenna’s radiation pattern is not fully formed at locations very close by (the “near-field” effect) and that at greater distances the power level from an energy source decreases with the square of the distance from it (the “inverse square law”). This methodology is an industry standard for evaluating RF exposure conditions and has been demonstrated through numerous field tests to be a conservative prediction of exposure levels.



**AT&T Mobility • Base Station No. CCL03113
6202 Third Street • San Francisco, California
FA No. 10088087, USID No. 12921, PA No. 3701A0TB4G**

1. The location, identity, and total number of all operational radiating antennas installed at this site.

AT&T had installed two omnidirectional “whip” antennas in a stacked pair on the back edge of the “B&J” sign above the roof of the single-story B&J Burger restaurant located at 6202 Third Street in San Francisco. Areas on the roof of the building near the antennas had been striped with yellow and red paint, to indicate the possible presence of RF fields exceeding the applicable FCC public and occupational limits, respectively. There were observed no other wireless base stations installed at the site.

2. List all radiating antennas located within 100 feet of the site that could contribute to the cumulative radio frequency energy at this location.

There are reported no other WTS facilities within 100 feet of the site.

3. Provide a narrative description of the proposed work for this project.

AT&T proposes to remove its two existing antennas and to install four directional panel antennas. This is consistent with the scope of work described in the drawings for transmitting elements.

4. Provide an inventory of the make and model of antennas or transmitting equipment being installed or removed.

AT&T proposes to remove the two existing dB Spectra Model DS7T05F36U omnidirectional antennas and to install four CommScope antennas – two each Models NNHH-65A-R4 and NNH4-65A-R6H4 – within individual cylindrical enclosures, configured to resemble vent pipes, above the north and south sides of the roof. The antennas would employ no more than 6° downtilt on the low-band frequencies (700 MHz and cellular) and no more than 8° downtilt on the high-band frequencies (PCS, AWS, and WCS), would be mounted at effective heights of about 17 (Model -R4) and 20 (Model -R6H4) feet above ground, 4 and 7 feet above the top edge of the roof, and would be oriented in identical pairs toward 20°T and 120°T.

5. Describe the existing radio frequency energy environment at the nearest walking/working surface to the antennas and at ground level. This description may be based on field measurements or calculations.

The maximum existing RF level for a person on the roof near the antennas was measured* to be 21% of the applicable public exposure limit. The maximum existing RF level for a person at ground near the site was measured* to be 0.0012 mW/cm², which is 0.60% of the most restrictive public limit.

* September 25, 2019, using calibrated Narda Type NBM-520 Broadband Field Meter with Type EA-5091 and EF-0691 Isotropic Broadband Electric Field Probes (Serial Nos. 01035 and H-0087, respectively).

AT&T Mobility • Base Station No. CCL03113
6202 Third Street • San Francisco, California
FA No. 10088087, USID No. 12921, PA No. 3701A0TB4G

6. Provide the maximum effective radiated power per sector for the proposed installation. The power should be reported in watts and reported both as a total and broken down by frequency band.

The maximum effective radiated power proposed by AT&T in each group is 17,620 watts, representing simultaneous operation at 3,600 watts for WCS, 5,040 watts for AWS, 4,510 watts for PCS, 2,530 watts for cellular, and 1,940 watts for 700 MHz service.

7. Describe the maximum cumulative predicted radio frequency energy level for any nearby publicly accessible building or area.

The maximum calculated level at the second-floor elevation of any nearby building is 45% of the public exposure limit; this occurs at the two-story mixed-use building located at 6212 Third Street, at least 30 feet to the south.

8. Report the estimated cumulative radio frequency fields for the proposed site at ground level.

For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation is calculated to be 0.48 mW/cm², which is 68% of the applicable public exposure limit. Cumulative RF levels at ground level near the site are therefore estimated to be less than 69% of the applicable public limit.

9. Provide the maximum distance (in feet) the three dimensional perimeter of the radio frequency energy level equal to the public and occupational exposure limit is calculated to extend from the face of the antennas.

The three-dimensional perimeters of RF levels equal to the public and occupational exposure limits are calculated to extend up to 88 and 33 feet out from the antenna faces, respectively, and to much lesser distances above, below, and to the sides; this includes areas of the roof of the building but does not reach any publicly accessible areas.

10. Provide a description of whether or not the public has access to the antennas. Describe any existing or proposed warning signs, barricades, barriers, rooftop striping or other safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards.

Due to their mounting locations and height, the AT&T antennas would not be accessible to unauthorized persons, and so no measures are necessary to comply with the FCC public exposure guidelines. To prevent occupational exposures in excess of the FCC guidelines, it is recommended that appropriate RF safety training, to include review of personal monitor use and lockout/tagout procedures, be provided to all authorized personnel who have access to the roof, including employees and contractors of AT&T and of the property owner. No access within 33 feet directly in front of the AT&T antennas themselves, such as might occur during certain maintenance activities, should be



**AT&T Mobility • Base Station No. CCL03113
6202 Third Street • San Francisco, California
FA No. 10088087, USID No. 12921, PA No. 3701A0TB4G**

allowed while the pertinent antennas are in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. It is recommended that “Worker Notification Areas” be marked with yellow paint stripes and that “Prohibited Access Areas” be marked with red paint stripes on the roof of the building, as shown in Figure 3, to identify areas within which exposure levels are calculated to exceed the FCC public and occupational limits, respectively. It is recommended that explanatory signs[†] be posted at the paint stripes and on the antenna enclosures, readily visible from any angle of approach to persons who might need to work within that distance.

11. Statement of authorship and qualification.

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2023. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

Conclusion

Based on the information and analysis above, it is the undersigned’s professional opinion that the proposed operation of the AT&T Mobility base station located at 6202 Third Street in San Francisco, California, will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Training authorized personnel, marking roof areas, and posting explanatory signs are recommended to establish compliance with occupational exposure limits.



A handwritten signature in blue ink that reads "William F. Hammett". The signature is written over a horizontal line.

William F. Hammett, P.E.
707/996-5200

August 30, 2021

[†] Signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (e.g., a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter; the San Francisco Department of Public Health recommends that all signs be written in English, Spanish, and Chinese.

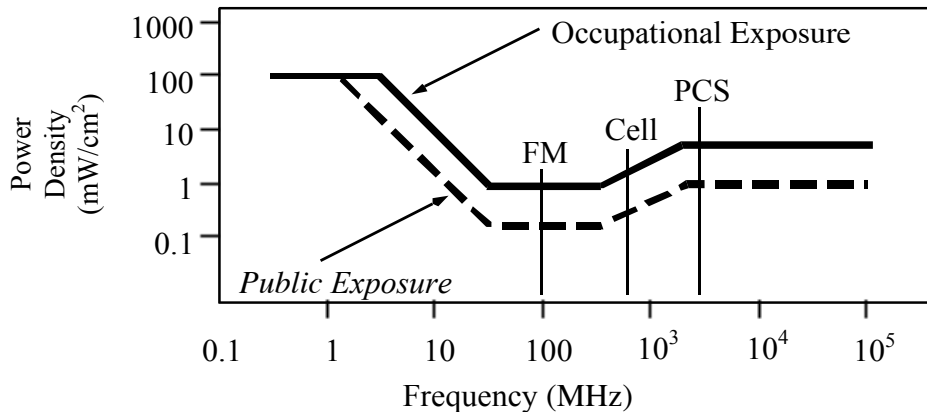


FCC Radio Frequency Protection Guide

The U.S. Congress required (1996 Telecom Act) the Federal Communications Commission (“FCC”) to adopt a nationwide human exposure standard to ensure that its licensees do not, cumulatively, have a significant impact on the environment. The FCC adopted the limits from Report No. 86, “Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields,” published in 1986 by the Congressionally chartered National Council on Radiation Protection and Measurements (“NCRP”). Separate limits apply for occupational and public exposure conditions, with the latter limits generally five times more restrictive. The more recent standard, developed by the Institute of Electrical and Electronics Engineers and approved as American National Standard ANSI/IEEE C95.1-2006, “Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz,” includes similar limits. These limits apply for continuous exposures from all sources and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

As shown in the table and chart below, separate limits apply for occupational and public exposure conditions, with the latter limits (in *italics* and/or dashed) up to five times more restrictive:

Frequency Applicable Range (MHz)	Electromagnetic Fields (f is frequency of emission in MHz)					
	Electric Field Strength (V/m)		Magnetic Field Strength (A/m)		Equivalent Far-Field Power Density (mW/cm ²)	
0.3 – 1.34	614	<i>614</i>	1.63	<i>1.63</i>	100	<i>100</i>
1.34 – 3.0	614	<i>823.8/f</i>	1.63	<i>2.19/f</i>	100	<i>180/f²</i>
3.0 – 30	1842/f	<i>823.8/f</i>	4.89/f	<i>2.19/f</i>	900/f ²	<i>180/f²</i>
30 – 300	61.4	<i>27.5</i>	0.163	<i>0.0729</i>	1.0	<i>0.2</i>
300 – 1,500	3.54√f	<i>1.59√f</i>	√f/106	<i>√f/238</i>	f/300	<i>f/1500</i>
1,500 – 100,000	137	<i>61.4</i>	0.364	<i>0.163</i>	5.0	<i>1.0</i>



Higher levels are allowed for short periods of time, such that total exposure levels averaged over six or thirty minutes, for occupational or public settings, respectively, do not exceed the limits, and higher levels also are allowed for exposures to small areas, such that the spatially averaged levels do not exceed the limits. However, neither of these allowances is incorporated in the conservative calculation formulas in the FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) for projecting field levels. Hammett & Edison has incorporated those formulas in a computer program capable of calculating, at thousands of locations on an arbitrary grid, the total expected power density from any number of individual radio frequency sources. The program allows for the inclusion of uneven terrain in the vicinity, as well as any number of nearby buildings of varying heights, to obtain more accurate projections.



RFE.CALC™ Calculation Methodology

Assessment by Calculation of Compliance with FCC Exposure Guidelines

Hammett & Edison has incorporated the FCC Office of Engineering and Technology Bulletin No. 65 (“OET-65”) formulas (see Figure 1) in a computer program that calculates, at millions of locations on a grid, the total expected power density from any number of individual radio frequency sources. The program uses the specific antenna patterns from the manufacturers and allows for the inclusion of uneven terrain in the vicinity, as well as any number of nearby buildings of varying heights, to obtain accurate projections of RF exposure levels. The program can account for spatial-averaging when antenna patterns are sufficiently narrow, and time-averaging is typically considered when operation is in single-frequency bands, which require time-sharing between the base station and the subscriber devices.

OET-65 provides this formula for calculating power density in the far-field from an individual RF source:

$$\text{power density} \quad S = \frac{2.56 \times 1.64 \times 100 \times \text{RFF}^2 \times \text{ERP}}{4 \times \pi \times D^2} \quad \text{in mW/cm}^2$$

where ERP = total Effective Radiated Power (all polarizations), in kilowatts,
RFF = three-dimensional relative field factor toward point of calculation, and
D = distance from antenna effective height to point of calculation, in meters.

The factor of 2.56 accounts for the increase in power density due to reflections, assuming a reflection coefficient of 1.6 (1.6 x 1.6 = 2.56). This factor is typically used for all sources unless specific information from FCC filings by the manufacturer indicate that a different reflection coefficient would apply. The factor of 1.64 is the gain of a half-wave dipole relative to an isotropic radiator. The factor of 100 in the numerator converts to the desired units of power density.

Because antennas are not true “point sources,” their signal patterns may not be fully formed at close distances and so exposure levels may be lower than otherwise calculated by the formula above. OET-65 recommends the cylindrical model formula below to account for this “near-field effect”:

$$\text{power density} \quad S = \frac{180}{\theta_{\text{BW}}} \times \frac{0.1 \times P_{\text{net}}}{\pi \times D \times h} \quad \text{in mW/cm}^2$$

where P_{net} = net power input to antenna, in watts,
 θ_{BW} = half-power beamwidth of antenna, in degrees,
D = distance from antenna effective height to point of calculation, in meters, and
h = aperture height of antenna, in meters.

The factor of 0.1 in the numerator converts to the desired units of power density.

OET-65 confirms that the “crossover” point between the near- and far-field regions is best determined by finding where the calculations coincide from the two different formulas, and the program uses both formulas to calculate power density.

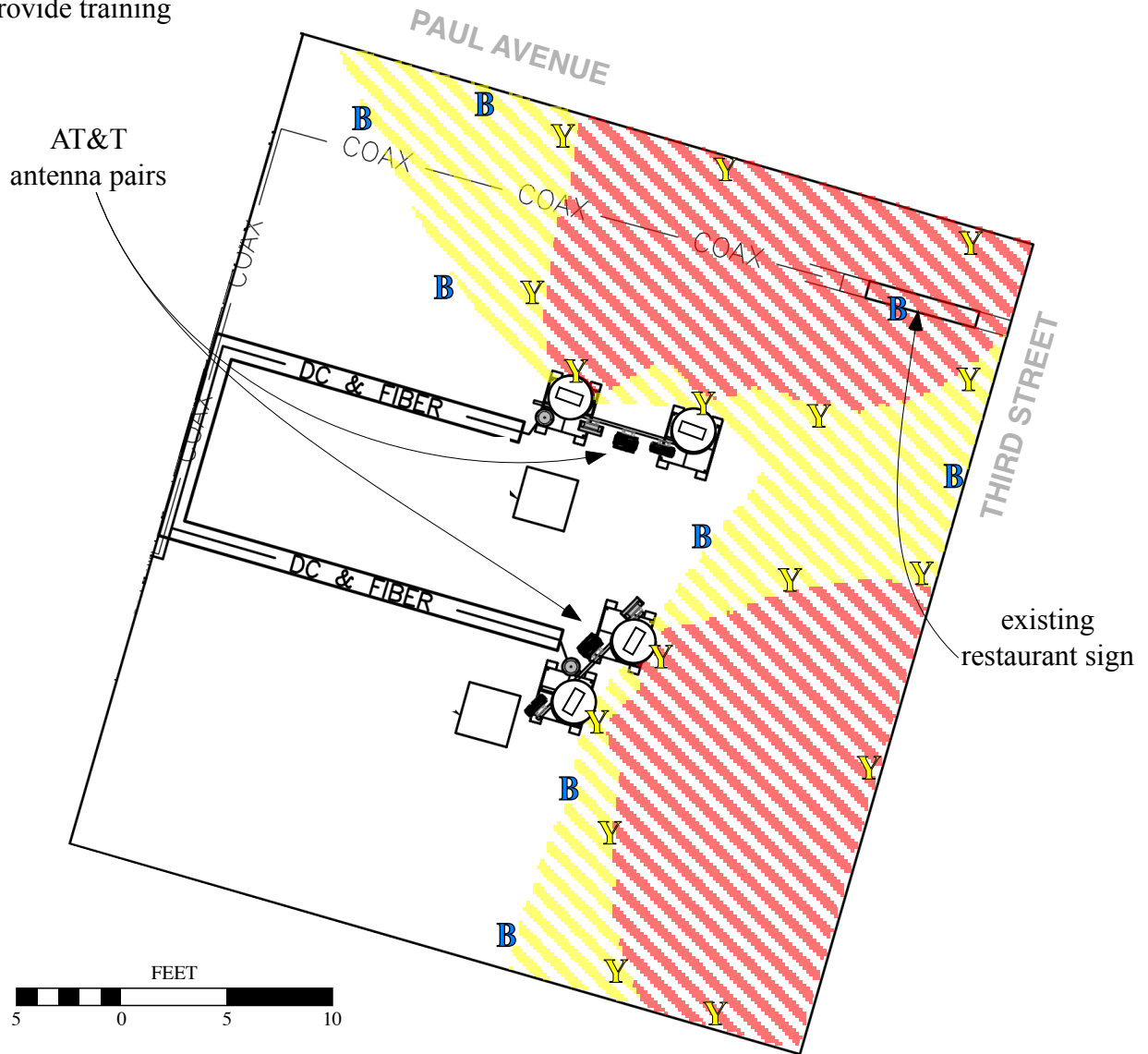


**AT&T Mobility • Base Station No. CCL03113
6202 Third Street • San Francisco, California
FA No. 10088087, USID No. 12921, PA No. 3701A0TB4G**

Calculated RF Exposure Levels on Roof

Recommended Mitigation Measures

- Stripe roof areas as shown (no installed roof access)
- Post explanatory signs
- Provide training

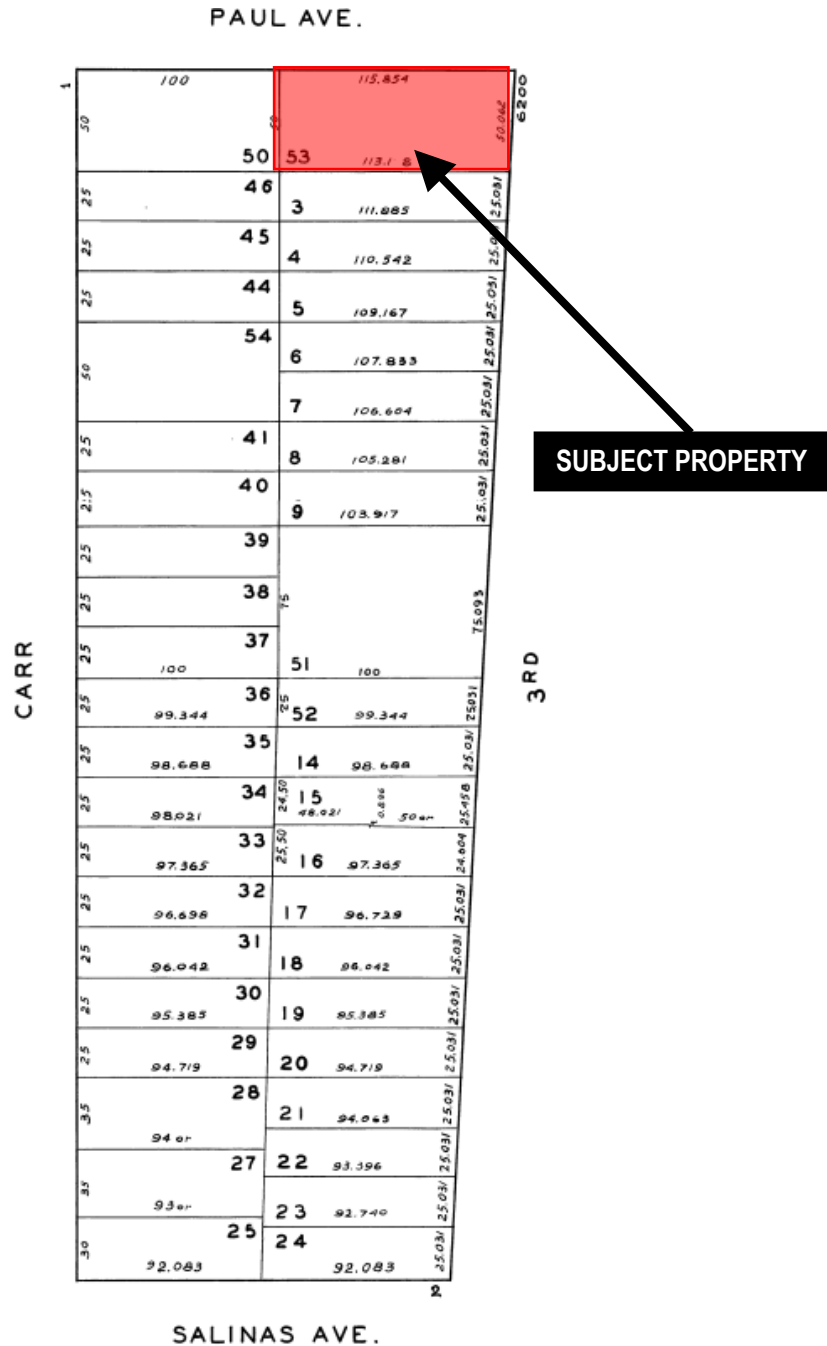


Notes: See text.
Base drawing by Intelocity, LLC, dated July 30, 2021.
Calculations performed according to OET Bulletin 65, August 1997.

Legend:	Less Than Public	Exceeds Public	Exceeds Occupational	Exceeds 10x Occupational
Striping color	blank	yellow	red	N/A
Sign type	I - Green INFORMATION	B - Blue NOTICE	Y - Yellow CAUTION	O - Orange WARNING

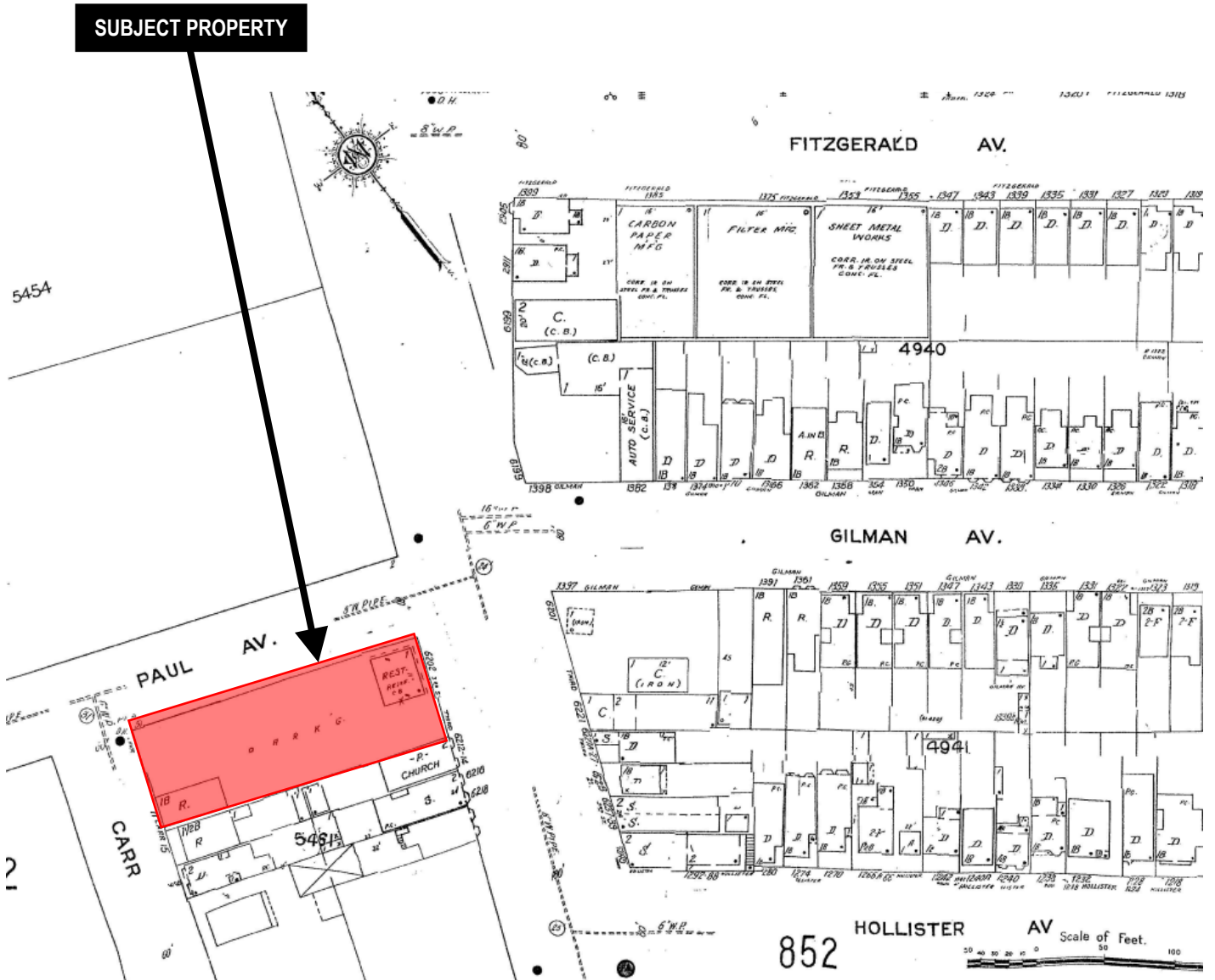


Parcel Map



Planning Commission Hearing
 Case Number 2021-006247CUA
 AT&T Macro Wireless Telecommunications Facility
 6202 3rd Street

Sanborn Map*



*The Sanborn Maps in San Francisco have not been updated since 1998, and this map may not accurately reflect existing conditions.



Aerial Photo – View 1



SUBJECT PROPERTY



Aerial Photo – View 2



SUBJECT PROPERTY



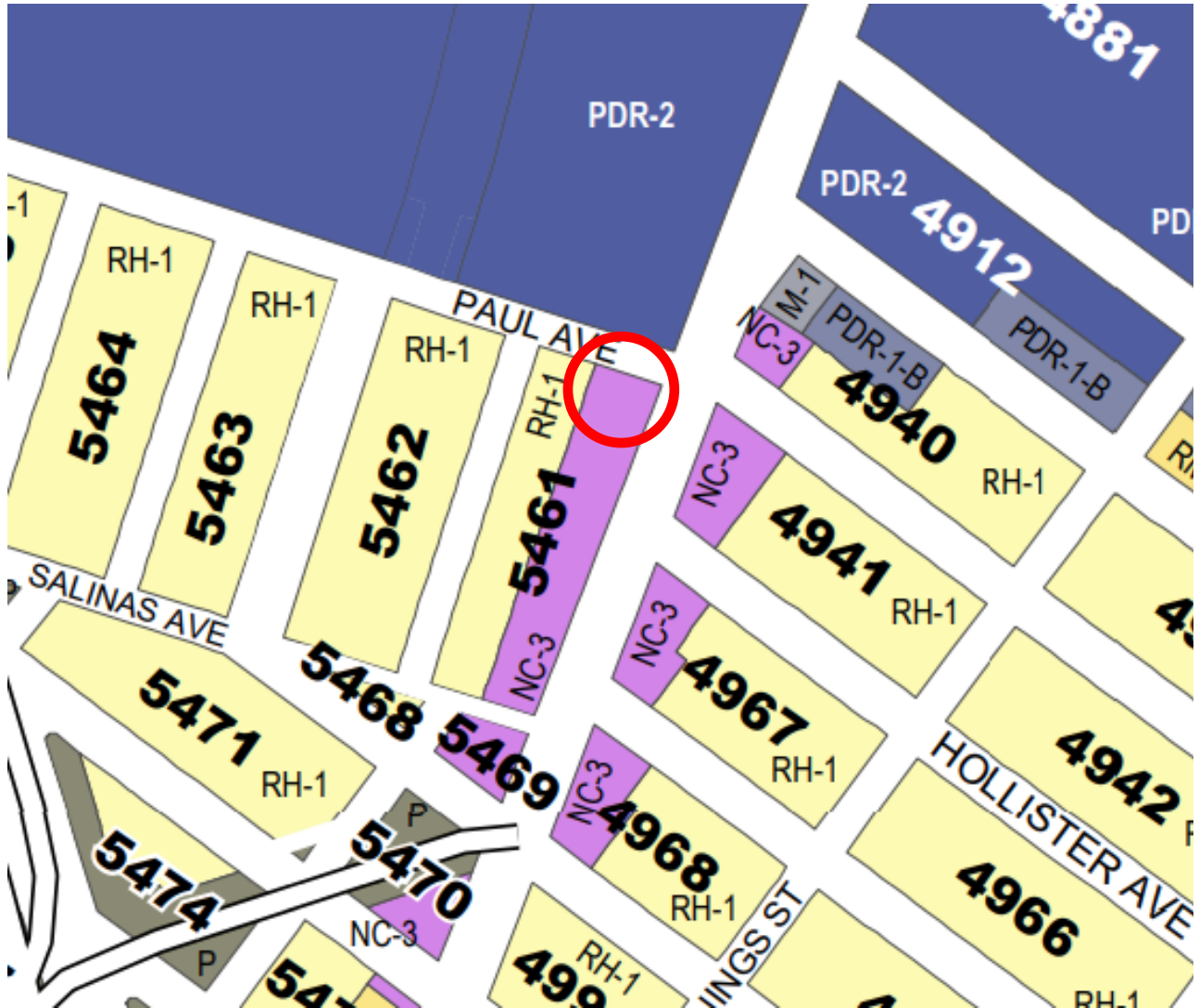
Aerial Photo – View 3



SUBJECT PROPERTY



Zoning Map



Planning Commission Hearing
Case Number 2021-006247CUA
AT&T Macro Wireless Telecommunications Facility
6202 3rd Street

Site Photo



Planning Commission Hearing
Case Number 2021-006247CUA
AT&T Macro Wireless Telecommunications Facility
6202 3rd Street