



EXECUTIVE SUMMARY CONDITIONAL USE AUTHORIZATION

HEARING DATE: October 7, 2021

Record No.: 2020-006344CUA
Project Address: 37 Vicente Street
Zoning: West Portal Avenue NC (Neighborhood Commercial) Zoning District
26-X Height and Bulk District
Scenic Streets Special Sign District
Block/Lot: 2989B/032
Project Sponsor: Eric Lentz
430 Bush Street, 5th Floor
San Francisco, CA 94108
Property Owner: Greenspan Family Trust
37 Vicente Street
San Francisco, CA 94127
Staff Contact: Ryan Balba – (628) 652-7331
Ryan.Balba@sfgov.org

Recommendation: Approval with Conditions

Project Description

The Project includes the installation of a new AT&T Mobility Macro Wireless Telecommunication Services Facility at the rooftop of the existing two-story commercial building, consisting of nine (9) new antennas and ancillary equipment as part of the AT&T Mobility Telecommunications Network. Antennas will be screened within one (1) FRP enclosure and three (3) faux vents.

Required Commission Action

In order for the Project to proceed, the Commission must grant a Conditional Use Authorization, pursuant to Planning Code Sections 303(c) and 729 to allow the installation of a macro Wireless Transmission Services (WTS) facility within the West Portal Avenue NC (Neighborhood Commercial) Zoning District.

Issues and Other Considerations

- **Public Comment & Outreach.**

- **Support/Opposition:** The Department has not received any letters of support or opposition for the Project.
- **Outreach:** The Project Sponsor held two community meetings, one on September 17, 2019, and another on August 26, 2021. No community members attended either meeting.

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 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 communication 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 B – Plans and Renderings
Exhibit C – Environmental Determination
Exhibit D – Land Use Data
Exhibit E – Maps and Context Photos
Exhibit F – Radio Frequency Report
Exhibit G – Department of Public Health Approval
Exhibit H – Independent Evaluation
Exhibit I – Coverage Maps
Exhibit J – Alternatives Site Analysis



PLANNING COMMISSION DRAFT MOTION

HEARING DATE: October 7, 2021

Record No.: 2020-006344CUA
Project Address: 37 Vicente Street
Zoning: West Portal Avenue NC (Neighborhood Commercial) Zoning District
26-X Height and Bulk District

Block/Lot: 2989B/032
Project Sponsor: Eric Lentz
430 Bush Street, 5th Floor
San Francisco, CA 94108
Property Owner: Greenspan Family Trust
37 Vicente Street
San Francisco, CA 94127
Staff Contact: Ryan Balba – (628) 652-7331
Ryan.Balba@sfgov.org

ADOPTING FINDINGS RELATING TO A CONDITIONAL USE AUTHORIZATION PURSUANT TO PLANNING CODE SECTION 303(c) AND 729, TO INSTALL A NEW AT&T MOBILITY MACRO WIRELESS TELECOMMUNICATION SERVICES FACILITY AT THE ROOFTOP OF THE EXISTING TWO-STORY COMMERCIAL BUILDING, CONSISTING OF NINE (9) NEW ANTENNAS AND ANCILLARY EQUIPMENT AS PART OF THE AT&T MOBILITY TELECOMMUNICATIONS NETWORK. ANTENNAS WILL BE SCREENED WITHIN ONE (1) FRP ENCLOSURE AND THREE (3) FAUX VENTS. THE SUBJECT PROPERTY IS LOCATED AT 37 VICENTE STREET, LOT 032 IN ASSESSOR'S BLOCK 2989B, WITHIN THE WEST PORTAL AVENUE NC (NEIGHBORHOOD COMMERCIAL) ZONING DISTRICT AND 26-X HEIGHT AND BULK DISTRICT, AND ADOPTING FINDINGS UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT.

PREAMBLE

On July 6 2020, Eric Lentz on behalf of AT&T Mobility (hereinafter "Project Sponsor") filed Application No. 2020-006344CUA (hereinafter "Application") with the Planning Department (hereinafter "Department") to install a new AT&T Mobility Macro Wireless Telecommunications facility (hereinafter "Project") at 37 Vicente Street, Block 2989B, Lot 032 (hereinafter "Project Site").

On October 7, 2021, the Commission conducted a duly noticed public hearing at a regularly scheduled meeting on Conditional Use Application No. 2020-006344CUA.

On September 22, 2021 the Project was determined to be exempt from the California Environmental Quality Act ("CEQA") as a Class 1 Categorical Exemption under CEQA as described in the determination contained in the Planning Department files for this Project.

The Planning Department Commission Secretary is the custodian of records; the File for Record No. 2020-006344CUA 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. 2020-006344CUA, 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 installation of a new AT&T Mobility macro wireless Telecommunication Services facility at the rooftop of the existing two-story commercial building, consisting of nine (9) new antennas and ancillary equipment. Antennas will be screened within one (1) FRP enclosure and three (3) faux vents.
- 3. Site Description and Present Use.** The Project is located on a lot which has approximately 35 feet of frontage along West Portal Avenue, 25 feet of frontage on the corner of West Portal Avenue and Vicente Street and 89 feet of frontage along Vicente Street. The Project Site contains an existing two-story commercial building.
- 4. Surrounding Properties and Neighborhood.** The Project Site is located within the West Portal Avenue NC (Neighborhood Commercial) Zoning District. The surrounding neighborhood is dominantly comprised of single family homes. However, there are fully commercial buildings and commercial residential buildings along the corridor. The two directly adjacent properties are a residential duplex and a commercial building. Other zoning districts in the vicinity of the project site include: RH-1(D) (Residential, House: One-Family (Detached Dwelling)) and P (Public).
- 5. Public Outreach and Comments.** The Project Sponsor held two community meetings, one on September 17, 2019, and another on August 26, 2021. No community members attended either meeting. The Department has received no letters of support or opposition regarding the proposed project.
- 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 6 Site (Limited Preference Sites) according to the WTS Facilities Siting Guidelines, making it not a preferred location unless the Project application (a) shows what publicly-used building, co-location site or other Preferred Location Sites are located within the geographic service area; (b) shows by clear and convincing evidence what good faith efforts and measures to secure these Preferred Location Sites were taken; (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 network. The Project Sponsor has provided an Alternate Site Analysis which is included as an attachment and addresses the requirements mentioned above for a Location Preference 6 Site.
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 at 3,600 watts for WCS, 7,740 watts for AWS, 4,620 watts for PCS, 1,090 watts for cellular, and 3,720 watts for 700 MHz service, which is 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, 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 be 26% of the FCC public exposure limit.

There are 3 existing antennas operated by AT&T Wireless and T-Mobile installed on the roof top of the building at 37 Vicente Street. Existing RF levels at ground level were approximately 1% of the FCC public exposure limit. No other antennas were observed within 100 feet of this site. AT&T Wireless proposes to install 9 new antennas and remove 2 existing antennas. The antennas are mounted at a height of 42 feet above the ground and 9 feet above the roof.

The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.2 mW/sq cm., which is 26 % of the FCC public exposure limit. The three-dimensional perimeter of RF levels equal to the public exposure limit extends 95 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 36 feet of the front of the antennas while they are in operation.

There is no roof access presently installed. It is recommended that the roof access hatch proposed by AT&T be kept locked, so that the antennas are not accessible to unauthorized persons. Measurements shall be conducted at 48 Vicente Street when construction is complete, in order to confirm that actual exposure levels there do comply with the FCC public exposure limits.

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 Hammett & Edison, 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 729, 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 37 Vicente 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 compatible with the surrounding neighborhood. The overall location, setback from public streets, height and design of the proposed facility, including visible screening elements is situated so as to avoid intrusion into public vistas, and to ensure harmony with the existing neighborhood character and promote public safety.

There is an existing coverage gap in the AT&T Mobility wireless telecommunications network. A new facility is necessary to close a significant service coverage gap in the area roughly centered around West Portal Avenue and Vicente Street.

The proposed facility will enhance the area's public safety infrastructure by providing wireless telecommunication services to the surrounding neighborhood and local at all times, and during natural disasters or other emergencies

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 is minimally impacted and will not significantly alter the existing appearance or character of the project vicinity. The proposed work will not affect the building envelope or alter the use of the property.

(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 proposed project is consistent with the stated purpose of the West Portal Avenue Neighborhood Commercial 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:

HOUSING ELEMENT

Objectives and Policies

OBJECTIVE 12

BALANCE HOUSING GROWTH WITH ADEQUATE INFRASTRUCTURE THAT SERVES THE CITY'S GROWING POPULATION.

Policy 12.3

Ensure new housing is sustainable supported by the City's public infrastructure systems.

The Project will improve AT&T's coverage and capacity within the West of Twin Peaks neighborhood.

COMMERCE AND INDUSTRY ELEMENT

Objectives and Policies

OBJECTIVE 1

MANAGE ECONOMIC GROWTH AND CHANGE TO ENSURE ENHANCEMENT OF THE TOTAL CITY LIVING AND WORKING ENVIRONMENT.

Policy 1.1

Encourage development, which provides substantial net benefits and minimizes undesirable consequences. Discourage development, which has substantial undesirable consequences that cannot be mitigated.

Policy 1.2

Assure that all commercial and industrial uses meet minimum, reasonable performance standards.

The Project will enhance the total city living and working environment by providing communication services for residents and workers within the City. Additionally, the Project would comply with Federal, State and Local performance standards.

OBJECTIVE 2

MAINTAIN AND ENHANCE A SOUND AND DIVERSE ECONOMIC BASE AND FISCAL STRUCTURE FOR THE CITY.

Policy 2.1

Seek to retain existing commercial and industrial activity and to attract new such activity to the city.

Policy 2.3

Maintain a favorable social and cultural climate in the city in order to enhance its attractiveness as a firm location.

The Site will be an integral part of a new wireless communications network that will enhance the City's diverse economic base.

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.

The Project will benefit the City by enhancing the business climate through improved communication services for residents and workers.

Visitor Trade

OBJECTIVE 8

ENHANCE SAN FRANCISCO'S POSITION AS A NATIONAL CENTER FOR CONVENTIONS AND VISITOR TRADE.

Policy 8.3

Assure that areas of particular visitor attraction are provided with adequate public services for both residents and visitors.

The Project will ensure that residents and visitors have adequate public service in the form of AT&T Mobility telecommunications.

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 enhance the ability of the City to protect both life and property from the effects of a fire or natural disaster by providing 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.

- D. That commuter traffic does 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.

- 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.

The facility will be screened from view by virtue of equipment placement on the rooftop. While the proposed FRP box and faux vents are minimally visible from surrounding public rights-of-way (e.g. sidewalks along surrounding streets), the size, height, and setback of the screening structures will not significantly detract from views of the subject building.

- 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. 2020-006344CUA** subject to the following conditions attached hereto as "EXHIBIT A" in general conformance with plans on file, dated March 12, 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 June 2, 2019.

Jonas P. Ionin
Commission Secretary

AYES:

NAYS:

ABSENT:

RECUSE:

ADOPTED: October 7, 2021

Draft Motion
October 7, 2021

RECORD NO. 2020-006344CUA
37 Vicente Street

EXHIBIT A

Authorization

This authorization is for a conditional use to allow macro Wireless Telecommunications Facility (d.b.a. **AT&T Mobility**) located at 37 Vicente Street, Block 2989B, and Lot 032 pursuant to Planning Code Section(s) 303.3 and 729 within the **West Portal Avenue Neighborhood Commercial District** and a **26-X** Height and Bulk District; in general conformance with plans, dated **March 12, 2021**, and stamped "EXHIBIT B" included in the docket for Record No. **2020-006344CUA** and subject to conditions of approval reviewed and approved by the Commission on **October 7, 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 **October 7, 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 628.652.7331, 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 415-558-7331, 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 628.652.7331, 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 628.652.7331, 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 628.652.7331, 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: CCL02102/CNU2102
FA NUMBER: 10101864, USID 47421

RFDs ID: 1735126, v6.00, DATED 06/18/2018

LTE 3C MRSFR037604, LTE 4C MRSFR037610, LTE 5C MRSFR041605,
LTE 6C MRSFR041370, LTE 7C MRSFR045574, 4TXRX MRSFR043116

PTN# 3701A0AMBV, PTN# 3701A0AMD8, PTN# 3701A0BMZ0,
PTN# 3701A0BMZ7, PTN# 3701A0EA65, PTN# 3701A0D8K4

SITE NAME: CLAREMONT-PORTOLA DRIVE
37 VICENTE STREET, SAN FRANCISCO, CA 94127
ROOFTOP / OUTDOOR

ENGINEERING

2019 CALIFORNIA BUILDING CODE
 2019 CALIFORNIA TITLE 24
 2019 CALIFORNIA FIRE CODE
 2019 CALIFORNIA ENERGY CODE
 2019 CALIFORNIA MECHANICAL CODE
 TIA/EIA-222-F 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: GREENSPAN FAMILY TRUST
 ADDRESS: 330 PRIMOSE ROAD, SUITE 606 BURLINGAME, CA 94010

SITE ADDRESS: 37 VICENTE STREET
 SAN FRANCISCO, CA 94127

APPLICANT: AT&T
 ADDRESS: 5001 EXECUTIVE PARKWAY
 SAN RAMON CALIFORNIA 94583

LATITUDE (NAD 83): 37° 44' 22.07004" N
 LONGITUDE (NAD 83): 122° 28' 1.30404" W
 LONGITUDE/LATITUDE TYPE: NAD 83
 GROUND ELEVATION: -
 APN #: 2989B/032
 ZONING JURISDICTION: CITY OF SAN FRANCISCO
 CURRENT ZONING: NCD
 CONSTRUCTION TYPE: V-N
 POWER COMPANY: PG&E
 TELCO COMPANY: AT&T
 PROPOSED USE: UNMANNED TELECOM FACILITY
 LEASE AREA (SF): -

PROJECT TEAM

PROJECT MANAGER:
 ERICSSON
 4120 DUBLIN BLVD, SUITE 450
 DUBLIN, CA 94568
 CONTACT: NIKESH SHAH
 PH: (619) 602-8530
 NIKESH.SHAH@ERICSSON.COM

A&E:
 PRAMIRA INC
 2552 WALNUT AVE, SUITE 200
 TUSTIN, CA 92780
 CONTACT: PATRICK PEDROZA
 PH: 800-678-1169 EXT. 2067
 PATRICK.PEDROZA@PRAMIRA.COM

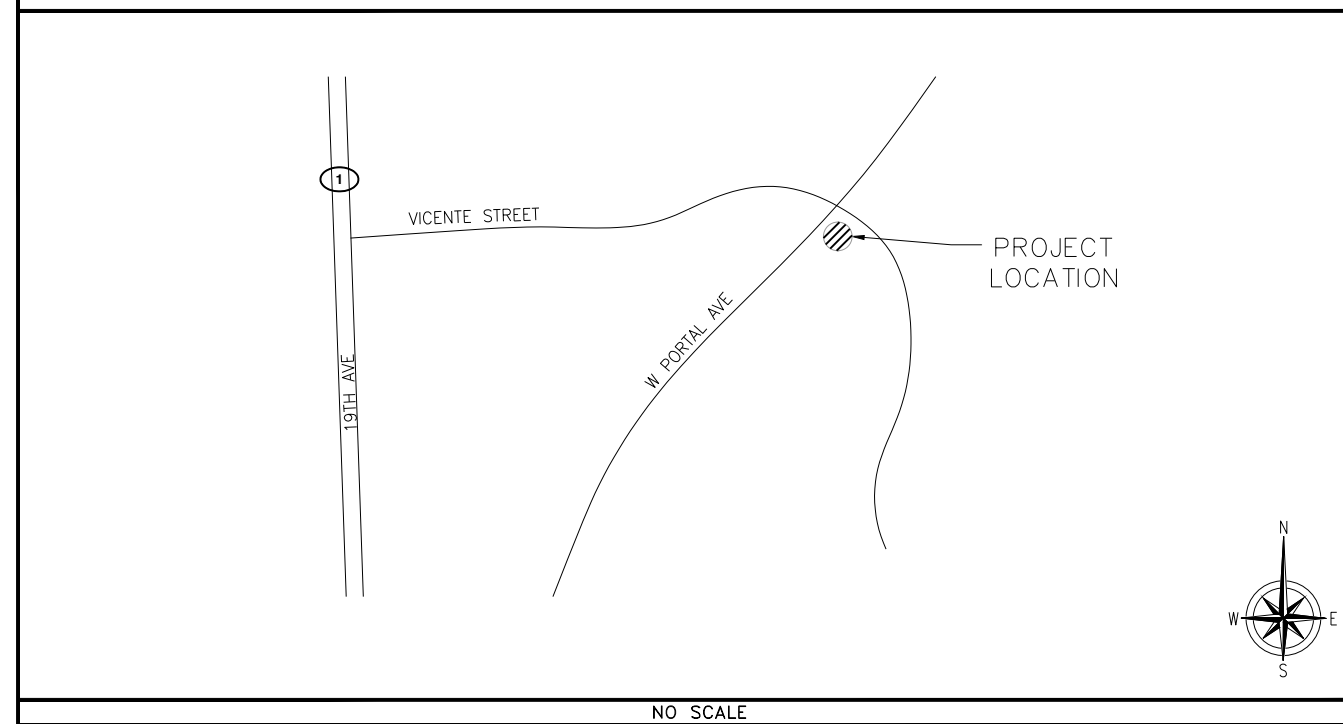
SITE ACQUISITION:
 ERICSSON
 4120 DUBLIN BLVD, SUITE 450
 DUBLIN, CA 94568
 CONTACT: KRISTY ANDRES
 PH: (954) 817-9349
 KRISTY.ANDRES@ERICSSON.COM

ZONING:
 ERICSSON
 4120 DUBLIN BLVD, SUITE 450
 DUBLIN, CA 94568
 CONTACT: ERIC LENTZ
 PH: (805) 895-4394
 LENTZPLANNING@GMAIL.COM

RF ENGINEER:
 AT&T
 5001 EXECUTIVE PARKWAY, SAN
 RAMON, CALIFORNIA 94583
 CONTACT: SAGAR BONDE
 PH: (323) 547-5845
 EMAIL: SB970R@ATT.COM

CONSTRUCTION MANAGER:
 ERICSSON
 4120 DUBLIN BLVD, SUITE 450 DUBLIN,
 CA 94568
 CONTACT: JOHN HARRIS
 PH: (312) 607-8870
 EMAIL: JOHN.X.HARRIS@ERICSSON.COM

VICINITY MAP



DRIVING DIRECTIONS

DIRECTIONS FROM AT&T OFFICE:
 GET ON I-680 S FROM BOLLINGER CANYON RD, HEAD NORTHEAST ON BISHOP DR TOWARD SUNSET DR, SUNSET DR, BOLLINGER CANYON RD, MERGE ONTO I-680 S VIA THE RAMP TO SAN JOSE, CONTINUE ON I-680 S. CA-92 W, US-101 N AND I-280 N TO CA-1 N/JUNIPERO SERRA BLVD. TAKE EXIT 49B FROM I-280 N, MERGE ONTO I-680 S, TAKE EXIT 30B TO MERGE ONTO I-580 W TOWARD DUBLIN/OAKLAND, CONTINUE ON I-238 N, FOLLOW SIGNS FOR I-880, TAKE EXIT 16A FOR INTERSTATE 880 S TOWARD SAN JOSE/SAN MATEO BRIDGE, MERGE ONTO I-880 S, TAKE EXIT 27 TO MERGE ONTO CA-92 W, TO TAKE EXIT 13B TO MERGE ONTO US-101 N TOWARD SAN FRANCISCO, TAKE EXIT 423B FOR INTERSTATE 380 W TOWARD SAN BRUNO/INTERSTATE 280, CONTINUE ONTO I-380 W, MERGE ONTO I-280 N, CONTINUE ON JUNIPERO SERRA BLVD. DRIVE TO VICENTE ST, CONTINUE ONTO CA-1 N/JUNIPERO SERRA BLVD, VICENTE ST, DESTINATION WILL BE ON THE LEFT

CONSTRUCTION DRAWINGS

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:

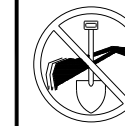
- REMOVE AND REPLACE (2) EXISTING OMNI ANTENNAS WITH (9) NEW PANEL ANTENNAS
- INSTALL (1) NEW FRP BOX TO MATCH (E) BUILDING WITH (3) FAUX VENTS
- REMOVE (1) EXISTING RRUW UNIT.
- REMOVE (1) EXISTING RRU22 UNIT.
- REMOVE (2) EXISTING PBC02 UNITS.
- REMOVE (1) EXISTING 6501 MAIN UNIT W/ MRRU700, REMOVE (1)(E) MRRU1900.
- INSTALL (3) NEW RRUS-11'S, NEAR ANTENNA.
- INSTALL (3) NEW RRUS-4415 B25'S, NEAR ANTENNA.
- INSTALL (3) NEW RRUS-32 B30'S, NEAR ANTENNA.
- INSTALL (3) NEW RRUS-4478 B14'S, NEAR ANTENNA.
- INSTALL (3) NEW RRUS-E2'S, NEAR ANTENNA.
- INSTALL (3) NEW RRUS-4478 B5'S, NEAR ANTENNA.
- INSTALL (3) NEW RRUS-4426 B66'S, NEAR ANTENNA.
- INSTALL (3) NEW RADOME AT SECTOR 'B'.
- INSTALL (N) STEEL EQUIPMENT PLATFORM W/METAL GRATE.
- INSTALL (3) NEW DC9, (1) AT EACH SECTOR
- INSTALL (1) NEW H-FRAME AT EQUIPMENT FOR (3)(N) DC12 UNITS.
- INSTALL (1) NEW V2 PURCELL CABINET WITH (2) NEW 5216 AND (2) NEW XMU UNITS.
- INSTALL NEW CABLE TRAY ON ROOFTOP.
- INSTALL NEW 1" CONDUIT FROM TRANSPORT CABLE FROM CIENIA TO SAID.
- INSTALL (2) NEW 2" CONDUIT FROM AC BREAK PANEL TO POWER PLANT.
- UPGRADE P&GE 100AMP SERVICE TO 200 SERVICE.
- INSTALL (1) NEW 200AMP METER CAN.
- INSTALL (1) NEW 200 AC BREAKER PANEL NEAR EQUIPMENT.
- INSTALL (1) NEW DISCONNECT BREAKER.
- INSTALL (1) NEW OUTDOOR POWER PLANT WITH (3) NEW STRINGS OF 180AH BATTERIES.
- INSTALL (1) NEW OUTDOOR BATTERY BACK UP CABINET WITH (1) NEW STRING OF 180AH BATTERIES.
- INSTALL NEW ENTRANCE/EXIT TO ACCESS ROOF.
- REMOVE (1) EXISTING 100A METER
- INSTALL (1) NEW 200A METER
- REMOVE (2) EXISTING TRIPLEXERS
- RELOCATE EXISTING CIENIA
- REMOVE EXISTING TELCO BOX
- REMOVE (2) EXISTING RXAIT BOXES
- REMOVE EXISTING UMTS 3518
- REMOVE EXISTING CONDUITS, CABLES AND CABLE TRAY

DRAWING INDEX

SHEET NO:	
T-1	TITLE SHEET
GN-1	GENERAL NOTES
F-1	FIRE DEPARTMENT CHECKLIST
EME-1	EME REPORT
PS-1	PHOTOSIMS
PS-2	PHOTOSIMS
A-1	EXISTING SITE PLAN
A-2	NEW SITE PLAN
A-3	EXISTING AND NEW ENLARGED SITE PLANS
A-4	EXISTING AND NEW EQUIPMENT LAYOUTS
A-5	EXISTING AND NEW ANTENNA LAYOUTS
A-6	ELEVATIONS
A-7	ELEVATIONS
A-8	ELEVATIONS
D-1	DETAILS
D-2	DETAILS
D-3	DETAILS
D-4	DETAILS
E-1	GROUNDING DETAILS
E-0.0	GENERAL NOTES, SYMBOLS, SHEET INDEX, SLD & PANEL SCHEDULE
S-1	ROOF EQUIPMENT PLATFORM
SHEET 1	FRP DESIGN BY ETECH FRP

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 CALIFORNIA
800-227-2600

48 HOURS BEFORE YOU DIG

CCL02102/CCU2102
 CLAREMONT-PORTOLA DR
 37 VICENTE STREET
 SAN FRANCISCO, CA 94127
 OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
 SAN RAMON, CA 94583



ERICSSON

6140 STONERIDGE MALL RD
 THIRD FLOOR
 PLEASANTON, CA 94588

PLANS PREPARED BY:



Pramira
 ARCHITECTURAL & ENGINEERING SERVICES

REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDs/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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: CCL02102)

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: CCL02102)

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: (CCL02102)

依據FCC條例第47 CFR1.1310 敬執行

- 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

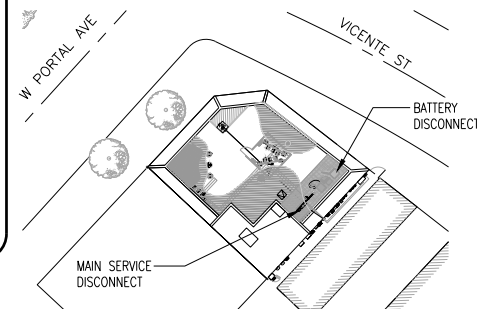
EMERGENCY SHUT DOWN

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

- CALL CONTACT NUMBER & GIVE SITE IDENTIFICATION NO. CONTACT PHONE NUMBER: **1-800-832-6662** SITE IDENTIFICATION NUMBER: **CCL02102**
- DISCONNECT POWER AT MAIN SERVICE DISCONNECT: UPPER ROOF LEVEL. SEE MAP.
- DISCONNECT BACK-UP POWER AT BATTERY DISCONNECT: UPPER ROOF LEVEL. SEE MAP.

DRAWING NOTES:


- 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.
- CONTRACTOR TO PLACE SIGNS IN FOLLOWING LOCATIONS:
A. CELL SITE EQUIPMENT ROOM DOOR
B. BATTERY LOCATION WITHIN PROXIMITY 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



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 may exceed the FCC Occupational Exposure Limits.

Follow safety guidelines for working in an RF environment.

Contact AT&T at 800-638-2822 and follow their instructions prior to performing any maintenance or repairs beyond this point.


Caution Sign CCBP-AL-057 This is AT&T site **CCL02102**

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# CCL02102. Contact the management office if this door/hatch/gate is found unlocked.

INFORMACION

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 cambiar a una distancia de menos de 3 pies de la antena. Comuníquese con AT&T antes de realizar cualquier mantenimiento o reparaciones cerca de la antena de AT&T. Esta es la estación base número CCL02102. Favor comunicarse con la oficina de la administración del edificio si esta puerta o compuerta se encuentra sin candado.




NOTE: SIGN TO BE PERMANENTLY MOUNTED AT ANTENNA LOCATIONS.

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 800-638-2822 and follow their instructions prior to performing any maintenance or repairs beyond this point.

Caution Sign CCBP-AL-057 This is AT&T site **CCL02102**

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 800-638-2822, options 9 and 3, and request assistance prior to proceeding beyond this point.

Warning Sign WA-2A-AL-128 This is AT&T site USD **47421**

WA-2A-AL-128

CAUTION/WARNING SIGNAGE

3

CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583



ERICSSON

6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:



Pramira
ARCHITECTURAL & ENGINEERING SERVICES

REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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
GENERAL NOTES

SHEET NUMBER
GN-1

CCL02102/CCU2102
 CLAREMONT-PORTOLA DR
 37 VICENTE STREET
 SAN FRANCISCO, CA 94127
 OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
 SAN RAMON, CA 94583



ERICSSON

6140 STONERIDGE MALL RD
 THIRD FLOOR
 PLEASANTON, CA 94588

PLANS PREPARED BY:



ARCHITECTURAL & ENGINEERING SERVICES

REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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

**FIRE DEPARTMENT
 CHECKLIST**

SHEET NUMBER

F-1

2.06 SUBMITTAL REQUIREMENTS FOR CELLULAR ANTENNA SITES (2019)

2.06 SUBMITTAL REQUIREMENTS FOR CELLULAR ANTENNA SITES (2016)

REFERENCE: 2016 SFBC, 2016 SFFC, 2016 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.

N/A 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 A-1 L. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH 2016 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:

- EMERGENCY 24-HOUR/7 DAY A WEEK NETWORK OPERATIONS CENTER (NOC) / FIELD TECHNICIAN TELEPHONE NUMBER FOR RF SHUT-DOWN
 - CELL SITE IDENTIFICATION NUMBER
 - MAP SHOWING LOCATION OF ELECTRICAL MAIN SHUT-OFF (ELECTRICAL MAIN SHALL BE CLEARLY IDENTIFIED WITH A PERMANENT RED LABEL AND WHITE LETTERING).
 - MAP SHOWING LOCATION OF BATTERY CABINETS AND BREAKERS (CABINETS AND BREAKERS SHALL BE CLEARLY IDENTIFIED WITH A PERMANENT RED LABEL AND WHITE LETTERING).
 - 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:

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

AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65

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. CCL02102) located at 37 Vicente 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 Pramira Architectural & Engineering Services, dated January 8, 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.

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

TOES.2
Page 1 of 5

AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65

- The location, identity, and total number of all operational radiating antennas installed at this site. AT&T had installed two omnidirectional "whip" antennas on the west side of the two-story mixed-use building located at 37 Vicente Street in San Francisco. Located above the roof of the building was a directional panel antenna for use by T-Mobile, within a shroud configured to resemble a vent.
- 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.
- Provide a narrative description of the proposed work for this project. AT&T proposes to remove its existing antennas and to install replacement antennas above the roof. This is consistent with the scope of work described in the drawings for transmitting elements.
- Provide an inventory of the make and model of antennas or transmitting equipment being installed or removed. AT&T proposes to remove its dB Spectra Model DST05F36U-D omnidirectional antennas and to install nine CommScope directional panel antennas – six Model JAHH-65A and three Model NNHH-65A-R4 – on short poles above the roof. The nine antennas would be mounted at an effective height of about 42 feet above ground, 9 feet above the roof, and would be oriented in identical groups of three toward 20°T, 190°T, and 270°T. The 20°T and 190°T antennas would employ no more than 2° down tilt, and the 270°T antennas would employ up to 18° down tilt.

For the limited purpose of this study, it is assumed that T-Mobile has installed one Ericsson Model AIR21 antenna at an effective height of about 42 feet above ground, employing 2° down tilt.

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 upper roof near the proposed antenna location was measured to be 15% of the applicable public exposure limit. The maximum existing RF level for a person at ground near the site was measured to be 0.0013 mW/cm², which is 0.65% of the most restrictive public limit.

* Based on information received from AT&T subsequent to the date of the drawings.
† September 26, 2019, using calibrated Narda Type NBM-520 Broadband Field Meter with EA-5091 and EF-0691 Isotropic Broadband Electric Field Probes (Serial Nos. 01291 and H-0087, respectively).

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

TOES.2
Page 2 of 5

AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65

- 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 any direction is 20,770 watts, representing simultaneous operation at 3,600 watts for WCS, 7,740 watts for AWS, 4,620 watts for PCS, 1,090 watts for cellular, and 3,720 watts for 700 MHz service. For the limited purpose of this study the maximum effective radiated power by T-Mobile is 4,400 watts, representing the simultaneous operation at 2,200 watts for AWS, and 2,200 watts for PCS service.
- Describe the maximum cumulative predicted radio frequency energy level for any nearby publicly accessible building or area. The maximum calculated cumulative level at any nearby building is 98% of the public limit; this occurs on the roof of the commercial building at 48 Vicente Street, about 75 feet across the street. The maximum calculated cumulative level inside the top-floor elevation of any nearby building is 75% of the public exposure limit; this occurs at the residential building at 25-27 Vicente Street.
- 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 by itself is calculated to be 0.20 mW/cm², which is 26% of the applicable public exposure limit. Cumulative RF levels at ground level near the site are therefore estimated to be less than 27% of the applicable public limit.
- 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 95 and 36 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.
- 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. There is no roof access presently installed; it is recommended that the roof access hatch proposed by AT&T be kept locked, so that the antennas are not accessible to unauthorized persons. It is recommended that measurements be conducted at 48 Vicente Street when construction is complete, in order to confirm that actual exposure levels there do comply with the FCC public exposure limits.

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

TOES.2
Page 3 of 5

AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65

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 structure, including employees and contractors of the wireless carriers and of the property owner. 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. No work in the red-striped areas or above the roof within 36 feet of the antennas, such as might occur during certain maintenance activities, should be 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 explanatory signs be posted at the new roof access hatch, at edges of the striped areas, and at the antennas, readily visible from any angle of approach to persons who might need to work within that distance. Similar measures should already be in place for T-Mobile; applicable mitigations for that carrier have not been determined as part of this study.

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, 2021. 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.

‡ 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.

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

TOES.2
Page 4 of 5

CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583



6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:



ARCHITECTURAL & ENGINEERING SERVICES

REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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.

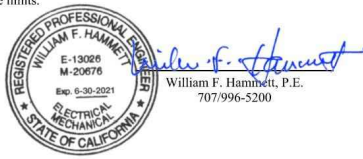
SHEET TITLE
EME REPORT

SHEET NUMBER
EME-1

AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65

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 37 Vicente Street in San Francisco, California, can comply with the prevailing standards for limiting human exposure to radio frequency energy and, therefore, need 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. Taking measurements and locking the roof access hatch is recommended to establish compliance with public exposure limits; training authorized personnel, marking roof areas, and posting explanatory signs are recommended to establish compliance with occupational exposure limits.



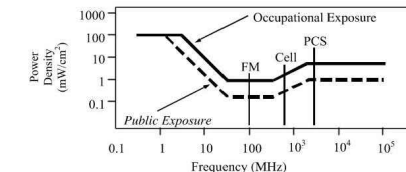
March 2, 2021

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 (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	1.63	1.63
1.34 - 3.0	614	823.8/f	1.63
3.0 - 30	1842/f	823.8/f	4.89/f
30 - 300	61.4	27.5	0.163
300 - 1,500	3.54√f	1.59√f	√f/106
1,500 - 100,000	137	61.4	0.364



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.

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

TOES.2
Page 5 of 5

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

FCC Guidelines
Figure 1

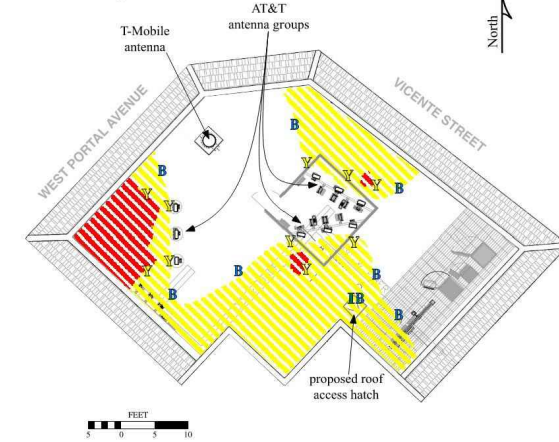
HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

Methodology
Figure 2

AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65

Calculated Cumulative RF Exposure Levels on Roof

- Recommended Mitigation Measures for AT&T
- Lock roof access hatch
 - Stripe roof areas as shown
 - Post explanatory signs
 - Provide training



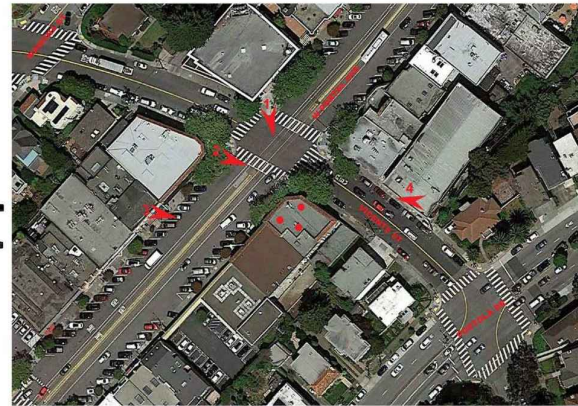
Notes: See text.
Base image from drawing by Pramira Architectural & Engineering Services, dated January 8, 2021.
Calculations performed according to OET Bulletin 65, August 1997.

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

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

TOES.2
Figure 3

PHOTO SIMULATION
ROOFTOP MOUNTED PANEL ANTENNAS AT:
37 VICENTE STREET
SAN FRANCISCO, CA 94127



SHEET INDEX

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

PROJECT DESCRIPTION

AT&T PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION.

● LOCATION OF AT&T ANTENNAS

COVER

12.09.20

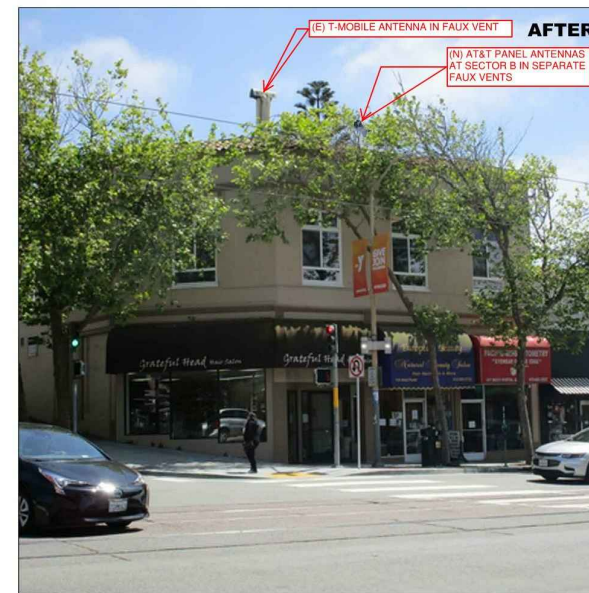


1875 CORONADO AVE
SIGNAL HILL, CA 90755
PH: 562-230-3519

PROJECT INFORMATION

SITE NAME: CLAREMONT-PORTOLA DRIVE
SITE NUMBER: CCL02102/CNU2102
SITE ADDRESS: 37 VICENTE STREET, SAN FRANCISCO, CA 94127
FA NUMBER: 10101864

PAGE 1



VIEW 1 | LOOKING SOUTH FROM CORNER OF W PORTAL AVE AND VICENTE ST

12.09.20



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

PROJECT INFORMATION

SITE NAME: CLAREMONT-PORTOLA DRIVE
SITE NUMBER: CCL02102/CNU2102
SITE ADDRESS: 37 VICENTE STREET, SAN FRANCISCO, CA 94127
FA NUMBER: 10101864

PAGE 2



VIEW 2 | LOOKING SOUTHEAST FROM W PORTAL AVE

12.09.20



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

PROJECT INFORMATION

SITE NAME: CLAREMONT-PORTOLA DRIVE
SITE NUMBER: CCL02102/CNU2102
SITE ADDRESS: 37 VICENTE STREET, SAN FRANCISCO, CA 94127
FA NUMBER: 10101864

PAGE 3

CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583



ERICSSON

6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:

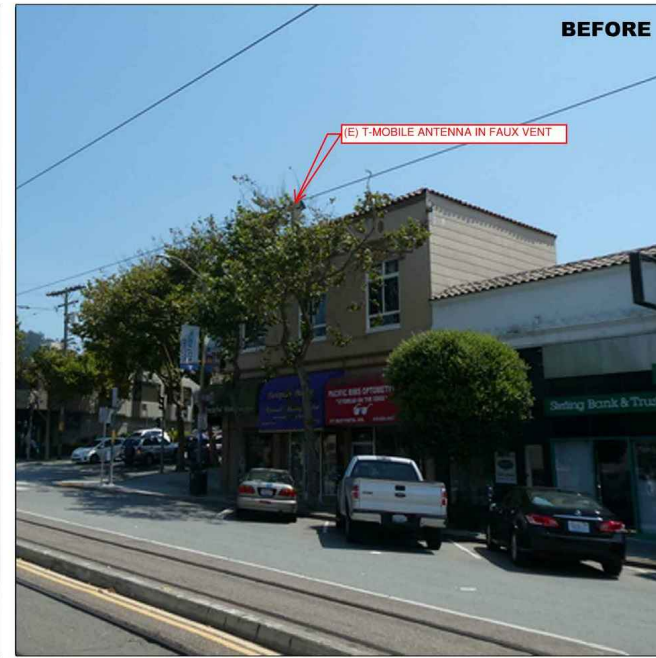
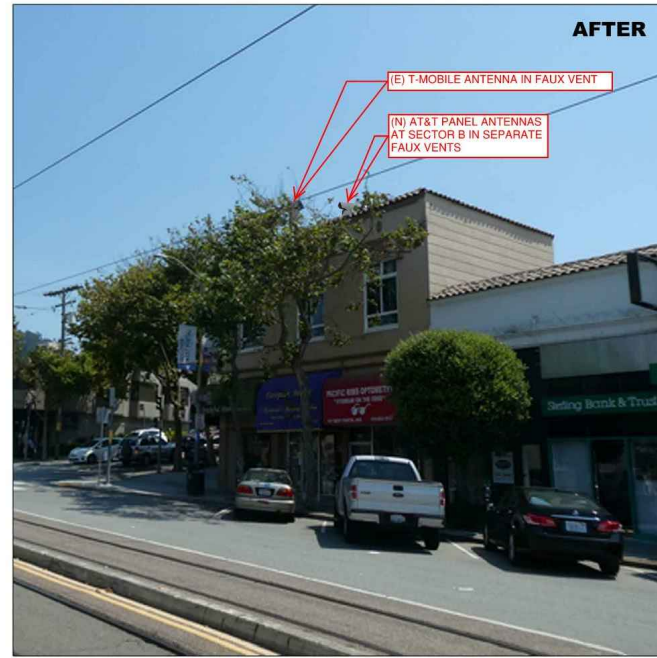


REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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
PHOTOSIMS

SHEET NUMBER
PS-1



VIEW 3 | LOOKING EAST FROM W PORTAL AVE

12.09.20

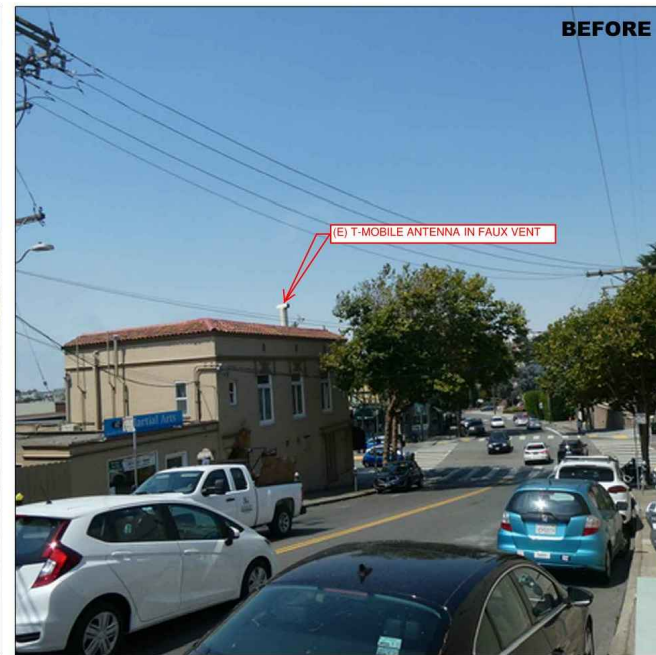
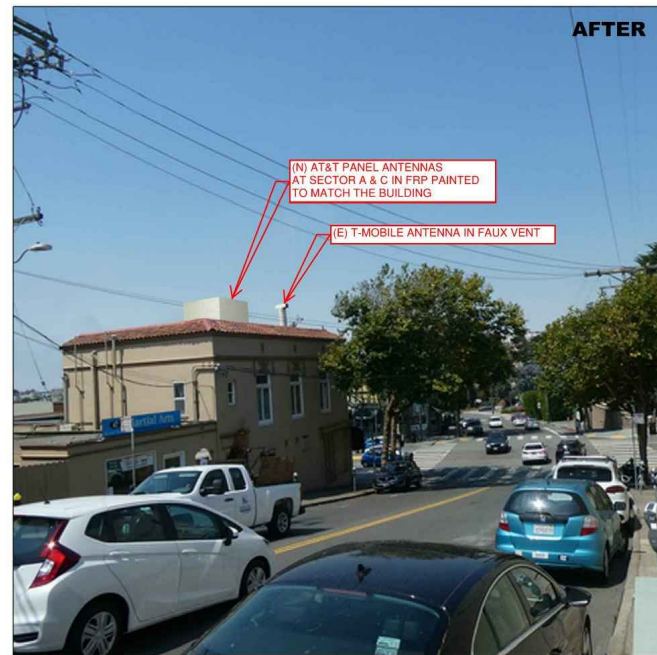


1875 CORONADO AVE
SIGNAL HILL, CA 90755
PH: 562-230-3519

PROJECT INFORMATION

SITE NAME: CLAREMONT-PORTOLA DRIVE
SITE NUMBER: CCL02102/CNU2102
SITE ADDRESS: 37 VICENTE STREET, SAN FRANCISCO, CA 94127
FANUMBER: 10101864

PAGE 4



VIEW 4 | LOOKING NORTHWEST FROM VICENTE ST

12.09.20



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

PROJECT INFORMATION

SITE NAME: CLAREMONT-PORTOLA DRIVE
SITE NUMBER: CCL02102/CNU2102
SITE ADDRESS: 37 VICENTE STREET, SAN FRANCISCO, CA 94127
FANUMBER: 10101864

PAGE 5

CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583



ERICSSON

6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:



REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

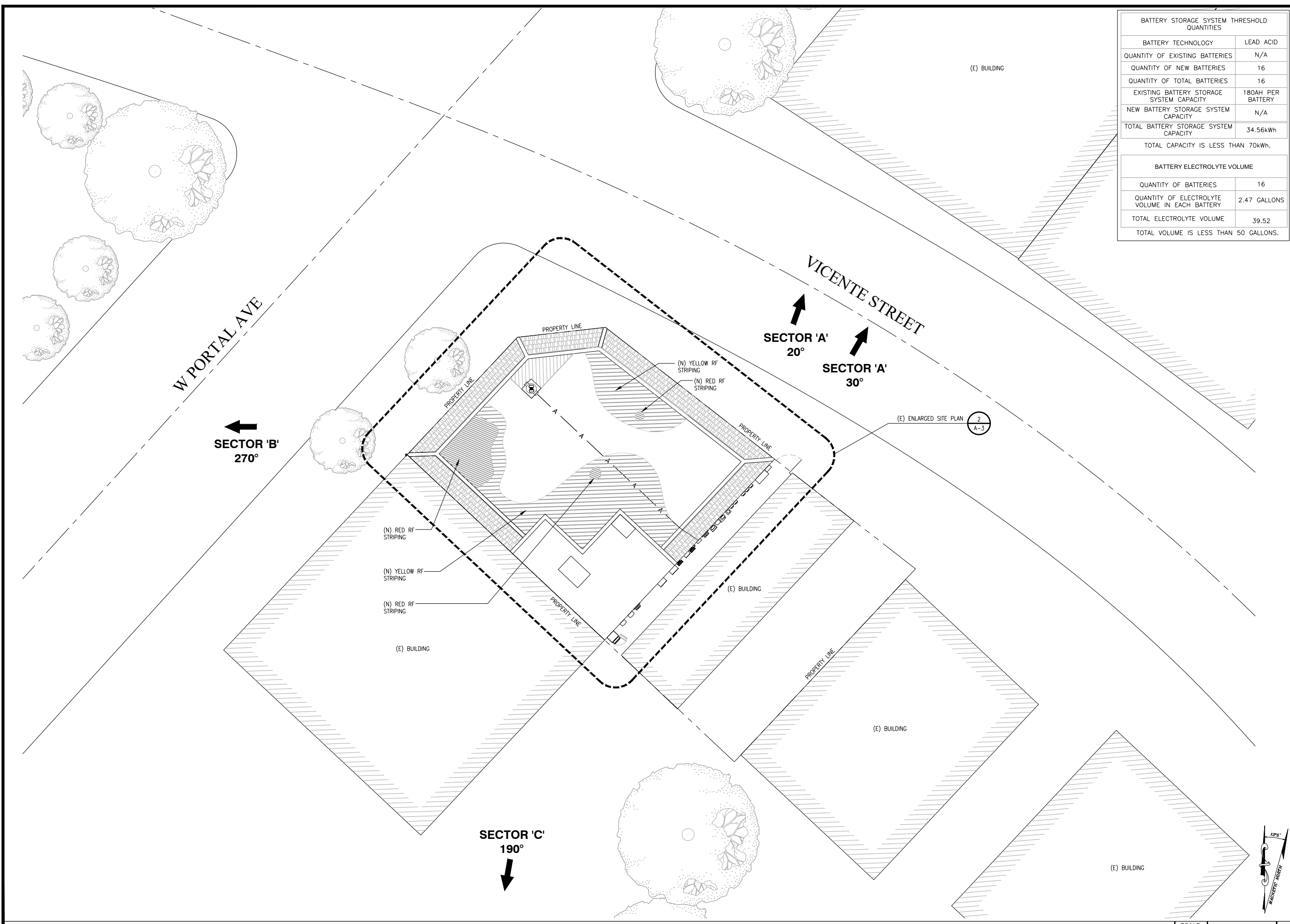
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET TITLE

PHOTOSIMS

SHEET NUMBER

PS-2



BATTERY STORAGE SYSTEM THRESHOLD QUANTITIES	
BATTERY TECHNOLOGY	LEAD ACID
QUANTITY OF EXISTING BATTERIES	N/A
QUANTITY OF NEW BATTERIES	16
QUANTITY OF TOTAL BATTERIES	16
EXISTING BATTERY STORAGE SYSTEM CAPACITY	180AH PER BATTERY
NEW BATTERY STORAGE SYSTEM CAPACITY	N/A
TOTAL BATTERY STORAGE SYSTEM CAPACITY	34.56kWh
TOTAL CAPACITY IS LESS THAN 70kWh.	

BATTERY ELECTROLYTE VOLUME	
QUANTITY OF BATTERIES	16
QUANTITY OF ELECTROLYTE VOLUME IN EACH BATTERY	2.47 GALLONS
TOTAL ELECTROLYTE VOLUME	39.52
TOTAL VOLUME IS LESS THAN 50 GALLONS.	

CCL02102/CCU2102
 CLAREMONT-PORTOLA DR
 37 VICENTE STREET
 SAN FRANCISCO, CA 94127
 OUTDOOR/ROOFTOP

5001 EXECUTIVE PKWY.
 SAN RAMON, CA 94583

6140 STONERIDGE MALL RD
 THIRD FLOOR
 PLEASANTON, CA 94588

PLANS PREPARED BY:

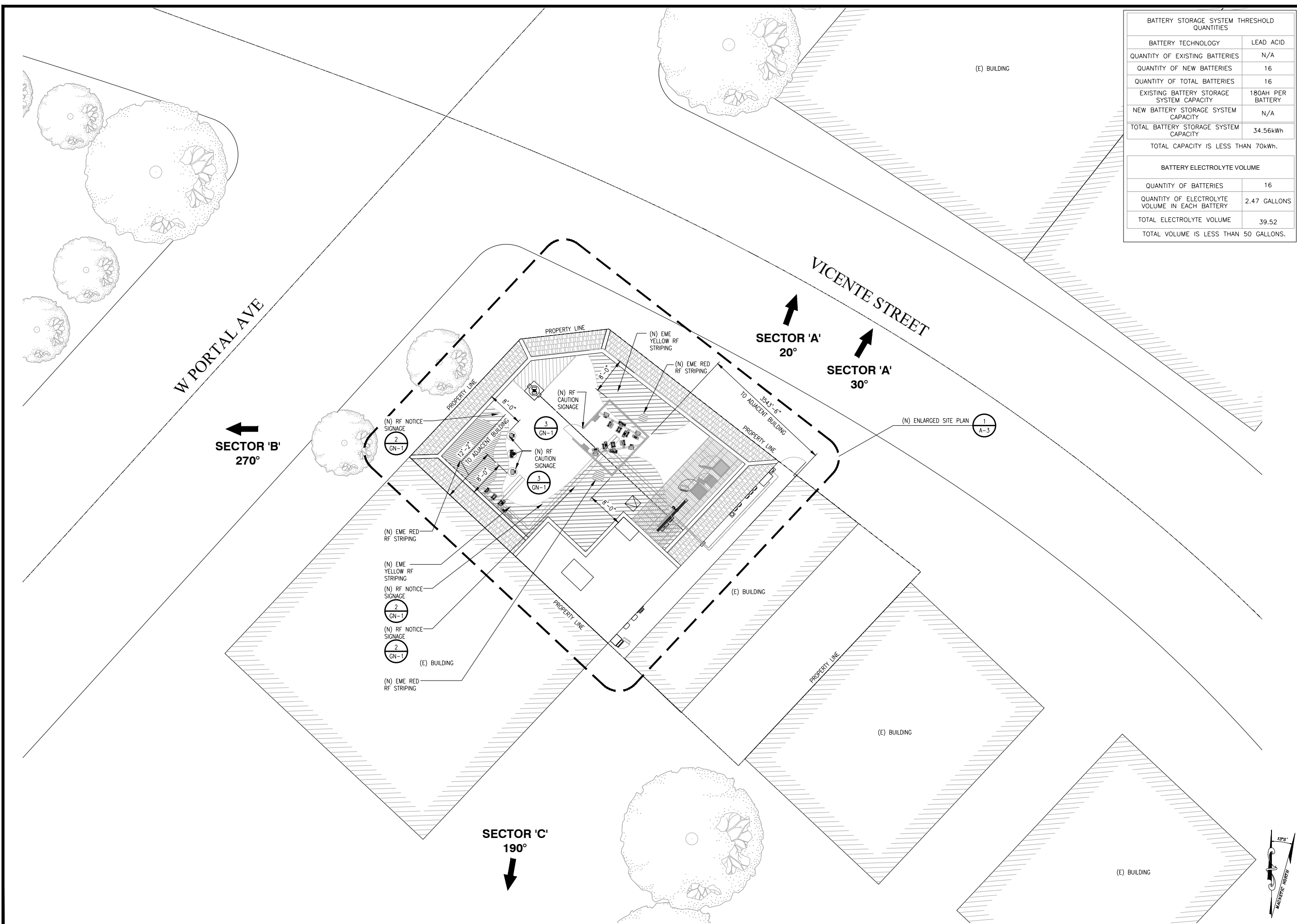
Pramira
 ARCHITECTURAL & ENGINEERING SERVICES

REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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
EXISTING SITE PLAN

SHEET NUMBER
A-1



BATTERY STORAGE SYSTEM THRESHOLD QUANTITIES	
BATTERY TECHNOLOGY	LEAD ACID
QUANTITY OF EXISTING BATTERIES	N/A
QUANTITY OF NEW BATTERIES	16
QUANTITY OF TOTAL BATTERIES	16
EXISTING BATTERY STORAGE SYSTEM CAPACITY	180AH PER BATTERY
NEW BATTERY STORAGE SYSTEM CAPACITY	N/A
TOTAL BATTERY STORAGE SYSTEM CAPACITY	34.56kWh
TOTAL CAPACITY IS LESS THAN 70kWh.	

BATTERY ELECTROLYTE VOLUME	
QUANTITY OF BATTERIES	16
QUANTITY OF ELECTROLYTE VOLUME IN EACH BATTERY	2.47 GALLONS
TOTAL ELECTROLYTE VOLUME	39.52
TOTAL VOLUME IS LESS THAN 50 GALLONS.	

CCL02102/CCU2102
 CLAREMONT-PORTOLA DR
 37 VICENTE STREET
 SAN FRANCISCO, CA 94127
 OUTDOOR/ROOFTOP

5001 EXECUTIVE PKWY.
 SAN RAMON, CA 94583

6140 STONERIDGE MALL RD
 THIRD FLOOR
 PLEASANTON, CA 94588

PLANS PREPARED BY:

Pramira
 ARCHITECTURAL & ENGINEERING SERVICES

REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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
NEW SITE PLAN

SHEET NUMBER
A-2

CCL02102/CCU2102
 CLAREMONT-PORTOLA DR
 37 VICENTE STREET
 SAN FRANCISCO, CA 94127
 OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
 SAN RAMON, CA 94583



6140 STONERIDGE MALL RD
 THIRD FLOOR
 PLEASANTON, CA 94588

PLANS PREPARED BY:

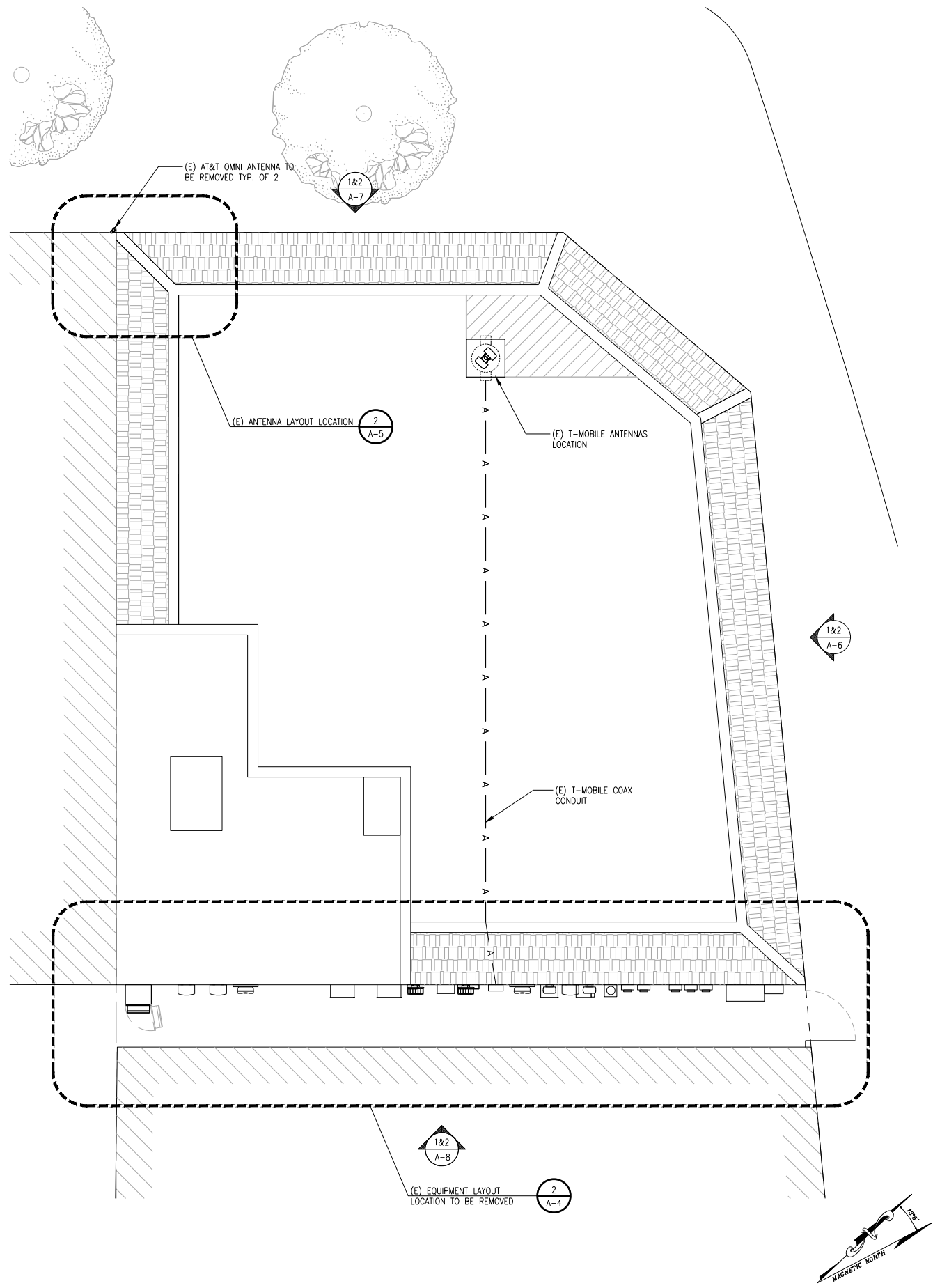


REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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.

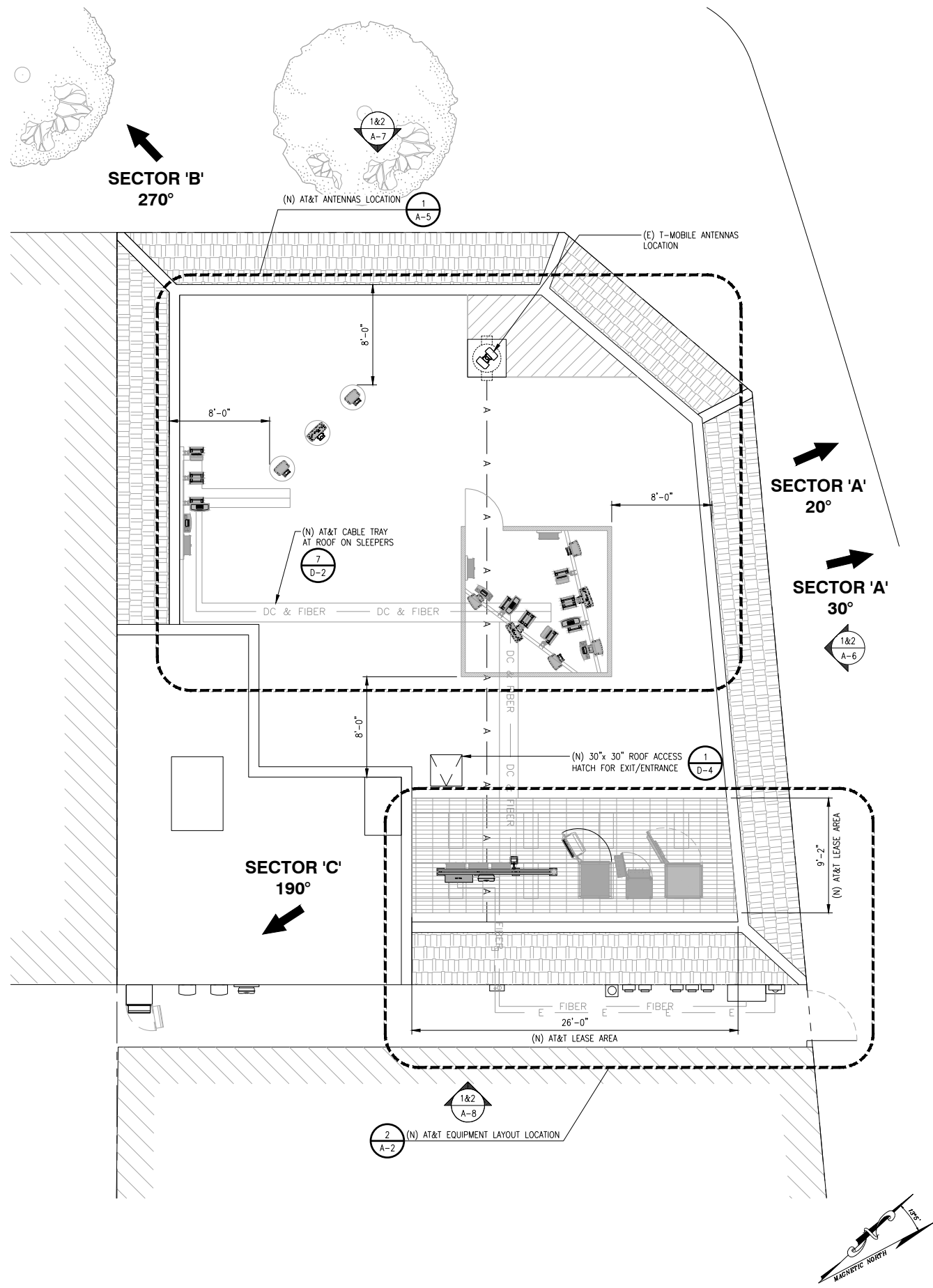
SHEET TITLE
 EXISTING AND NEW
 ENLARGED SITE PLAN

SHEET NUMBER
A-3



EXISTING ENLARGED SITE PLAN

SCALE: 3/16"=1'-0" 2



NEW ENLARGED SITE PLAN

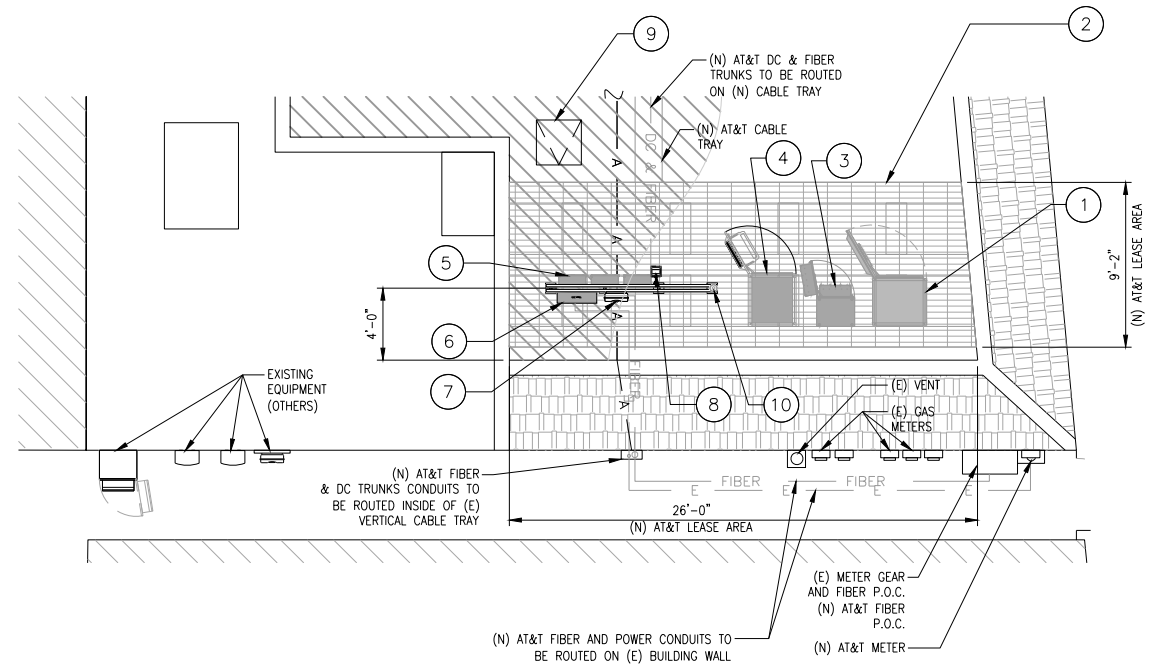
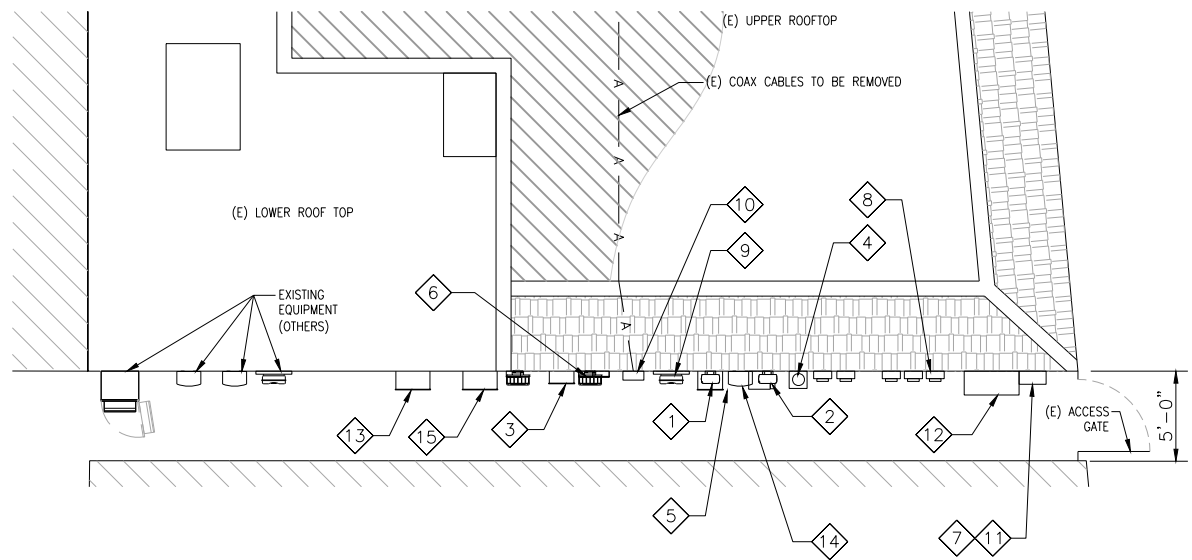
SCALE: 3/16"=1'-0" 1

EXISTING EQUIPMENT LAYOUT KEY NOTES

- 1 (E) AT&T MRRU LTE 1900 TO BE REMOVED
- 2 (E) AT&T MRBS 6501 LTE 700 TO BE REMOVED
- 3 (E) TELCO BOX TO BE REMOVED
- 4 (E) WALL VENT
- 5 (E) PBC-02 AND UMTS 3158, TO BE REMOVED
- 6 (E) RRUW TO BE REMOVED
- 7 (E) DISCONNECT PANEL
- 8 (E) GAS METER BANK
- 9 (E) CIENA CABINET TO BE RELOCATED ON (N) ROOF PLATFORM
- 10 (E) AT&T VERTICAL CABLE TRAY TO REMAIN AND TO BE RE-USE TO ROUTE NEW POWER AND FIBER CONDUITS
- 11 (E) 100A METER TO BE REMOVED AND REPLACED
- 12 (E) METER BANK
- 13 (E) AT&T WESTELL CABINET TO BE REMOVED
- 14 (E) AT&T RRU22 TO BE REMOVED
- 15 (2) (E) MCPA CABINETS AND (1) (E) PBC-02 (STACKED) TO BE REMOVED

NEW EQUIPMENT LAYOUT KEY NOTES

- 1 INSTALL (1) NEW BATTERY BACK UP CABINET WITH (1) NEW STRING OF 180AH BATTERIES
- 2 NEW AT&T STEEL PLATFORM WITH METAL GRATE
- 3 INSTALL (1) NEW AT&T V2 PURCELL CABINET WITH (2) NEW 5216 AND (2) NEW XMU UNITS
- 4 INSTALL (1) NEW AT&T POWER PLANT CABINET WITH (3) NEW STRINGS OF 180AH BATTERIES
- 5 INSTALL (3) NEW AT&T DC12 UNITS ON (N) H-FRAME
- 6 INSTALL (1) NEW AT&T ELECTRICAL PANEL ON (N) H-FRAME
- 7 NEW LOCATION OF (E) AT&T CIENNA CABINET, MOUNTED ON (N) H-FRAME
- 8 NEW AT&T SERVICE LIGHT
- 9 INSTALL NEW 30"x30" ROOF ACCESS HATCH
- 10 NEW GPS ANTENNA



CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583



6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:



REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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
EXISTING AND NEW
EQUIPMENT LAYOUTS

SHEET NUMBER
A-4

NOTE:
INTELOCITY ENGINEERING HAS NOT EVALUATED THE
TOWER OR MOUNTS FOR THIS PROJECT AND ASSUMES
NO LIABILITY FOR ITS STRUCTURAL INTEGRITY. REFER
TO STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION.

CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583



ERICSSON

6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:



Pramira
ARCHITECTURAL & ENGINEERING SERVICES

REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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
EXISTING AND NEW
ANTENNA LAYOUTS

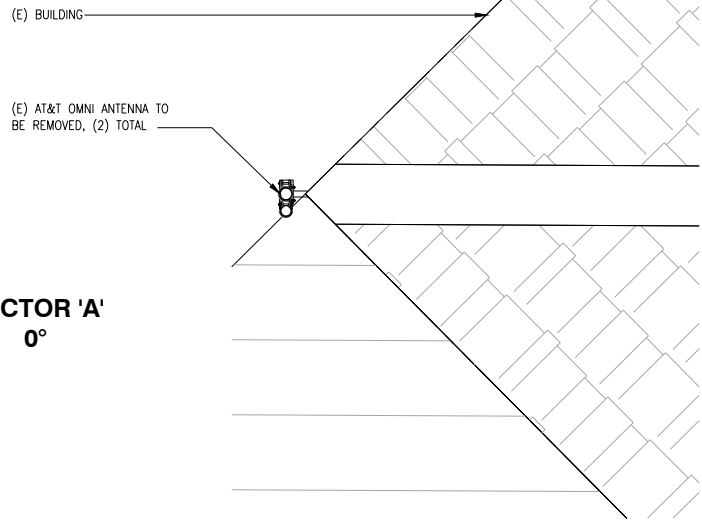
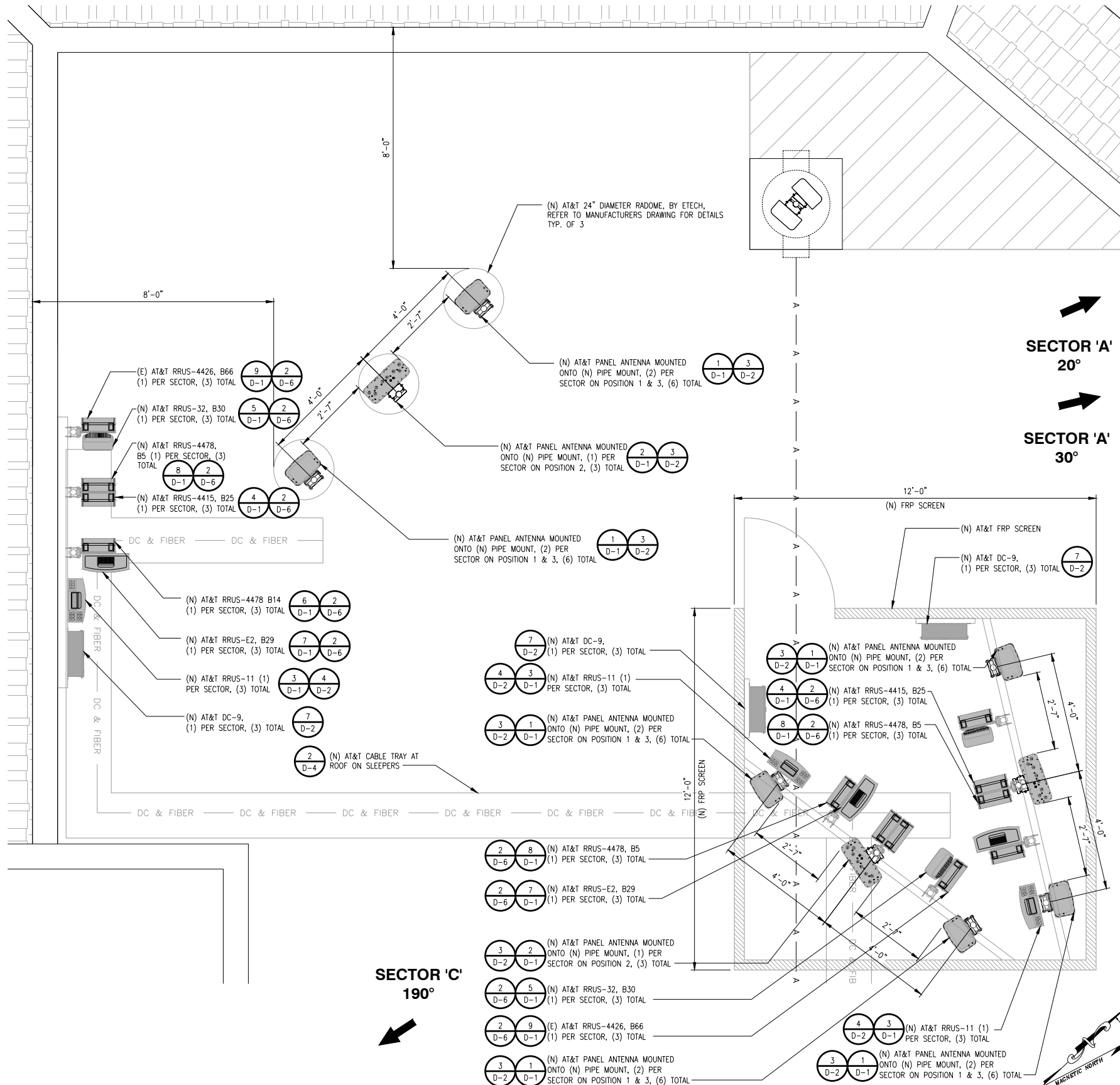
SHEET NUMBER
A-5

SECTOR 'B'
270°

SECTOR 'A'
20°

SECTOR 'A'
30°

SECTOR 'C'
190°



SECTOR 'A'
0°

EXISTING ANTENNA LAYOUT

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

2 NEW ANTENNA LAYOUT

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

1

CCL02102/CCU2102
 CLAREMONT-PORTOLA DR
 37 VICENTE STREET
 SAN FRANCISCO, CA 94127
 OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
 SAN RAMON, CA 94583



6140 STONERIDGE MALL RD
 THIRD FLOOR
 PLEASANTON, CA 94588

PLANS PREPARED BY:

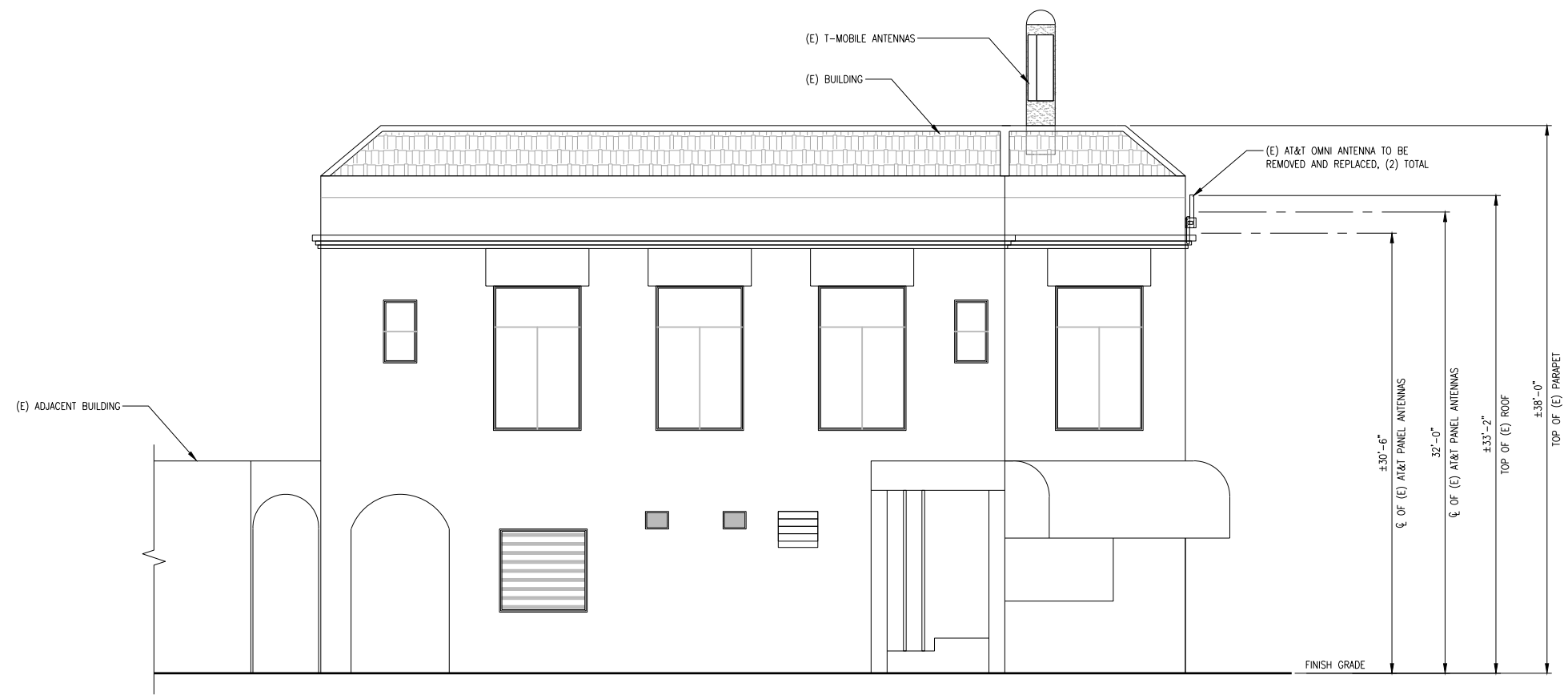


REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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.

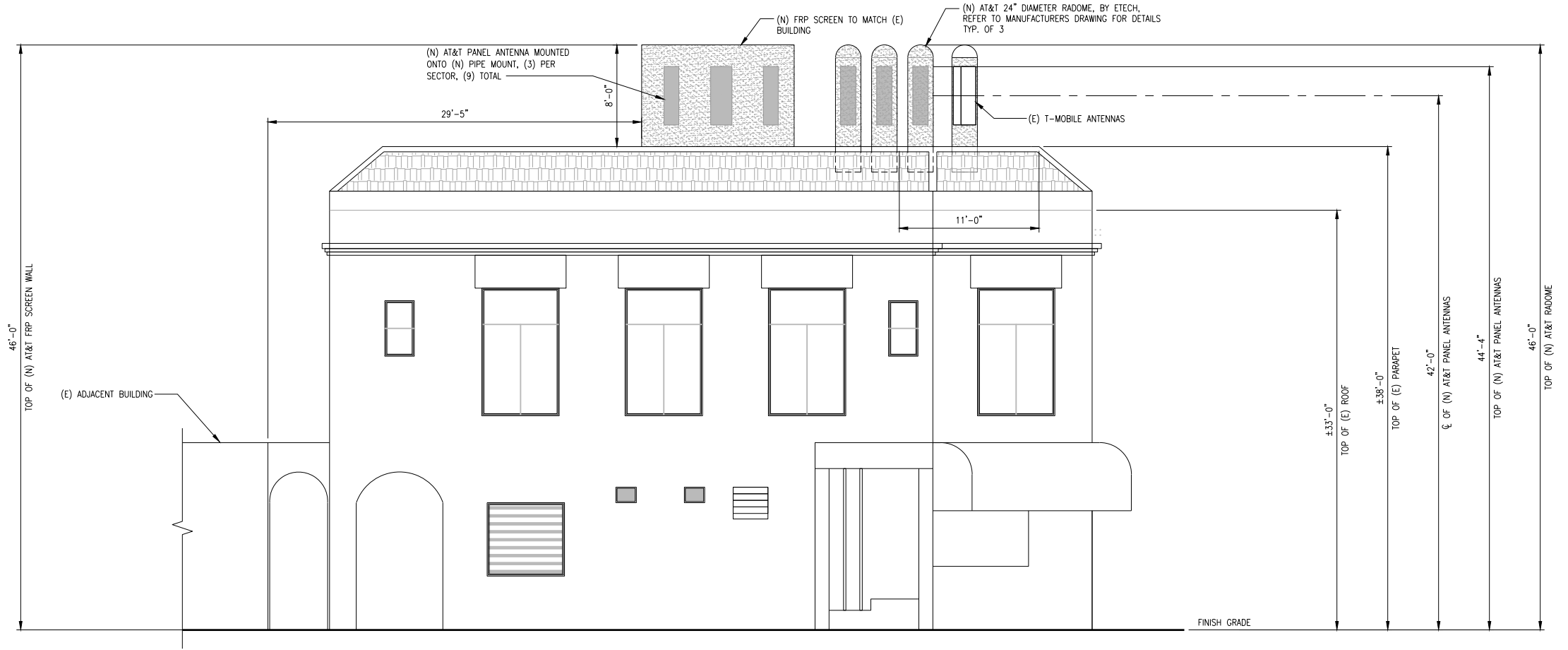
SHEET TITLE
 ELEVATIONS

SHEET NUMBER
A-6



EXISTING NORTH ELEVATION

SCALE: 3/16"=1'-0" 1



NEW NORTH ELEVATION

SCALE: 3/16"=1'-0" 2

CCL02102/CCU2102
 CLAREMONT-PORTOLA DR
 37 VICENTE STREET
 SAN FRANCISCO, CA 94127
 OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
 SAN RAMON, CA 94583



6140 STONERIDGE MALL RD
 THIRD FLOOR
 PLEASANTON, CA 94588

PLANS PREPARED BY:

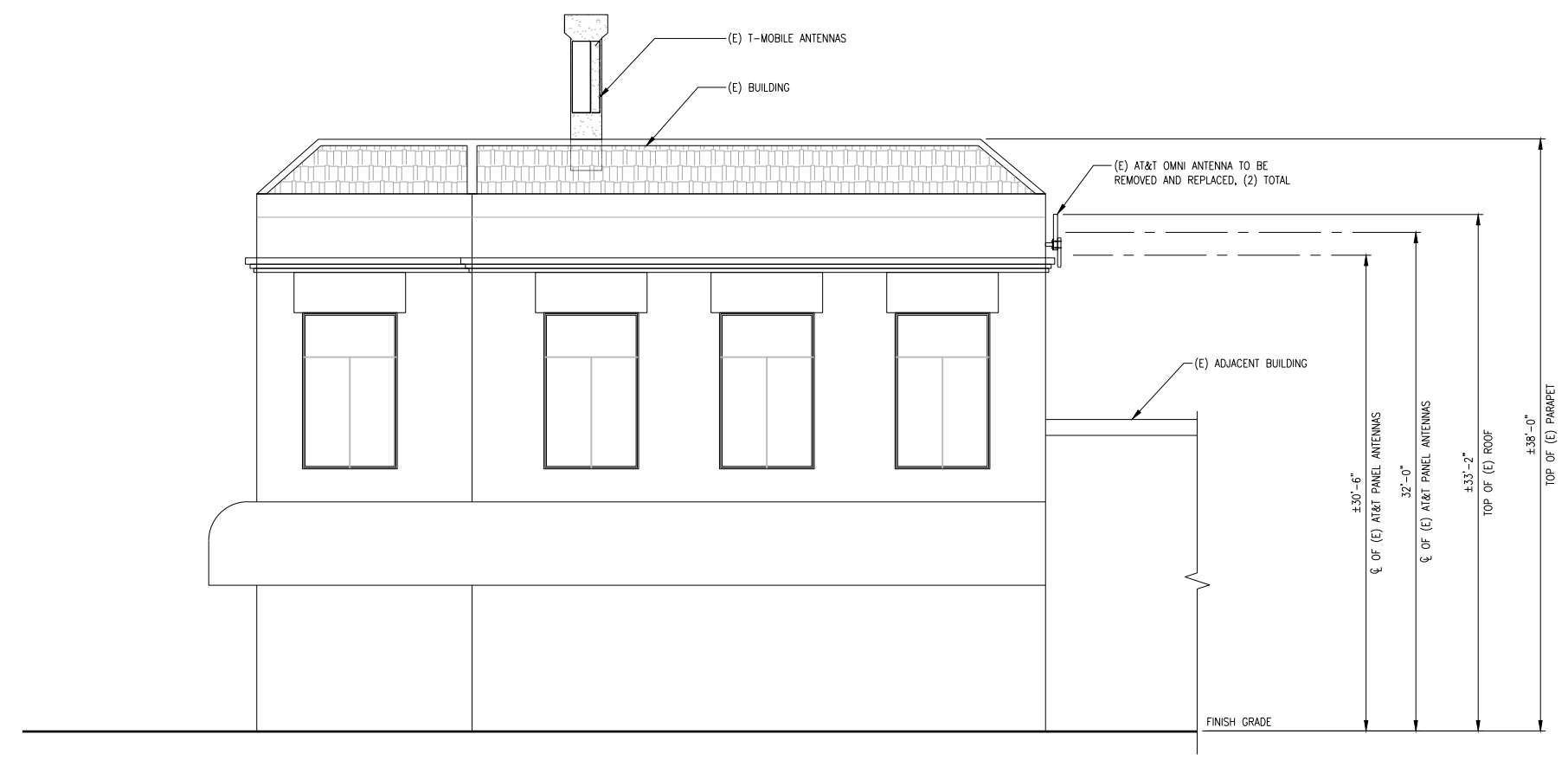


REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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.

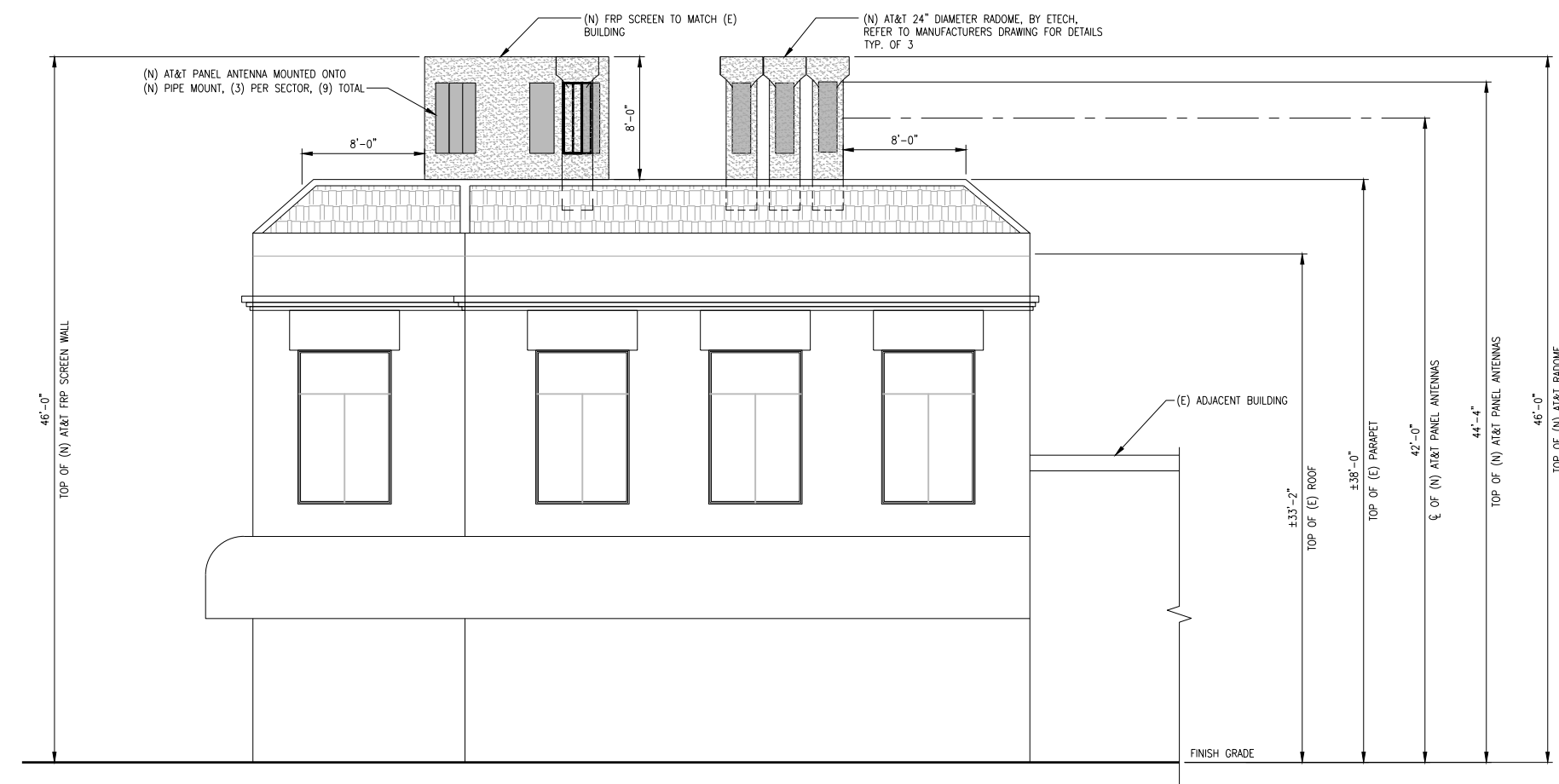
SHEET TITLE
 ELEVATIONS

SHEET NUMBER
A-7



EXISTING WEST ELEVATION

SCALE: 3/16"=1'-0" 1

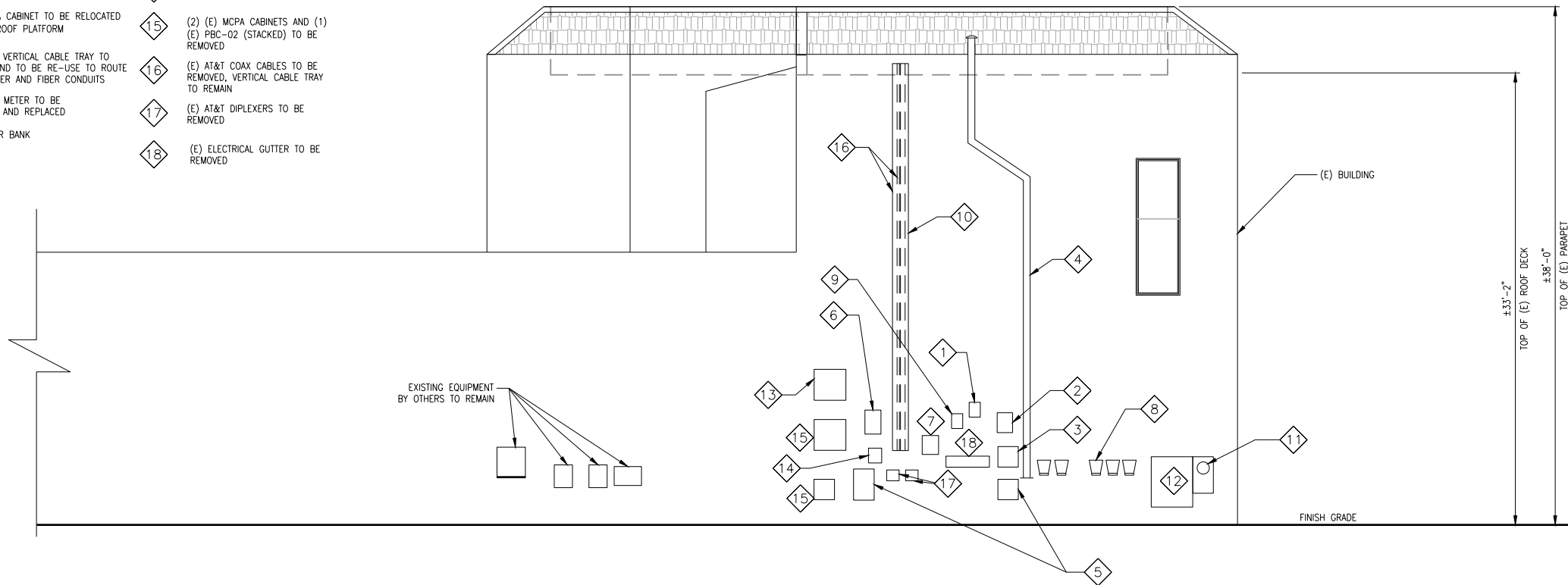


NEW WEST ELEVATION

SCALE: 3/16"=1'-0" 2

EXISTING EQUIPMENT LAYOUT KEY NOTES

- 1 (E) AT&T MRRU LTE 1900 TO BE REMOVED
- 2 (E) AT&T MRBS 6501 LTE 700 TO BE REMOVED
- 3 (E) TELCO BOX TO BE REMOVED
- 4 (E) WALL VENT
- 5 (E) PBC-02 AND UMTS 3158, TO BE REMOVED
- 6 (E) RRUW TO BE REMOVED
- 7 (E) DISCONNECT PANEL
- 8 (E) GAS METER BANK
- 9 (E) CIENA CABINET TO BE RELOCATED ON (N) ROOF PLATFORM
- 10 (E) AT&T VERTICAL CABLE TRAY TO REMAIN AND TO BE RE-USE TO ROUTE NEW POWER AND FIBER CONDUITS
- 11 (E) 100A METER TO BE REMOVED AND REPLACED
- 12 (E) METER BANK
- 13 (E) AT&T WESTELL CABINET TO BE REMOVED
- 14 (E) AT&T RRU22 TO BE REMOVED
- 15 (2) (E) MCPA CABINETS AND (1) (E) PBC-02 (STACKED) TO BE REMOVED
- 16 (E) AT&T COAX CABLES TO BE REMOVED, VERTICAL CABLE TRAY TO REMAIN
- 17 (E) AT&T DIPLEXERS TO BE REMOVED
- 18 (E) ELECTRICAL GUTTER TO BE REMOVED

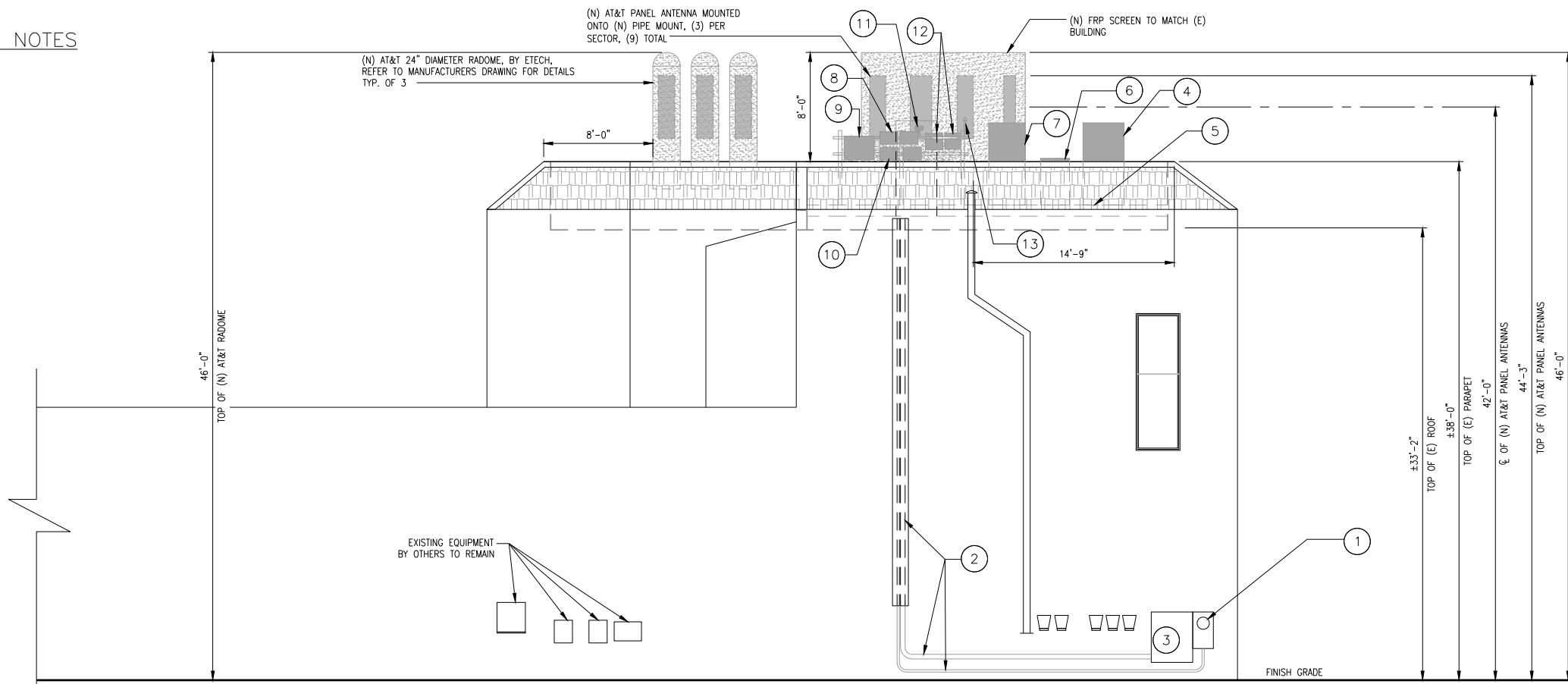


EXISTING SOUTH ELEVATION

SCALE: 9/16"=1'-0" 1

NEW EQUIPMENT LAYOUT KEY NOTES

- 1 (N) AT&T METER
- 2 (N) AT&T POWER & FIBER CONDUITS TO BE MOUNTED ON (E) WALL FROM (N) METER AND (E) FIBER P.O.C. TO (P) EQUIPMENT LEASE ARE UP ON (E) BUILDING ROOFTOP TO UTILIZE EXISTING VERTICAL CABLE TRAY
- 3 (E) FIBER P.O.C.
- 4 INSTALL (1) NEW BATTERY BACK UP CABINET WITH (1) NEW STRING OF 180AH BATTERIES
- 5 NEW AT&T STEEL PLATFORM WITH METAL GRATE
- 6 INSTALL (1) NEW AT&T V2 PURCELL CABINET WITH (2) NEW 5216 AND (2) NEW XMU UNITS
- 7 INSTALL (1) NEW AT&T POWER PLANT CABINET WITH (3) NEW STRINGS OF 180AH BATTERIES
- 8 INSTALL (3) NEW AT&T DC12 UNITS ON (N) H-FRAME
- 9 INSTALL (1) NEW AT&T ELECTRICAL PANEL ON (N) H-FRAME
- 10 NEW LOCATION OF (E) AT&T CIENA CABINET, MOUNTED ON (N) H-FRAME
- 11 NEW AT&T SERVICE LIGHT
- 12 NEW AT&T RRU5
- 13 NEW AT&T GPS ANTENNA



NEW SOUTH ELEVATION

SCALE: 9/16"=1'-0" 2

CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583



6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:



REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

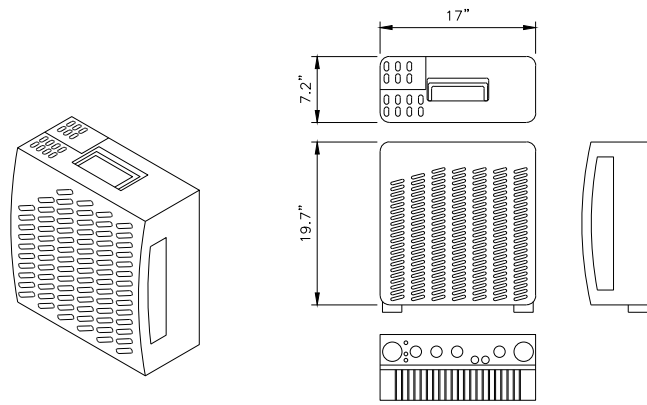
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-8

ERICSSON RRUS-E2

DIMENSIONS, WxDxH: 18.5"x7.4"x20.3"
 POWER CONSUMPTION: 200 WATTS
 TOTAL WEIGHT: 50 lbs
 TEMPERATURE: -40° TO 55° C



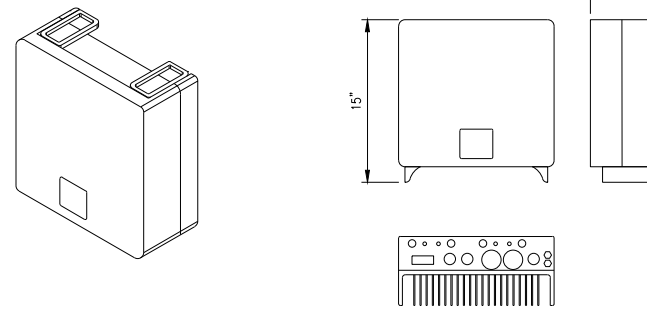
RRUS-E2 SPECIFICATIONS

NO SCALE

7

ERICSSON RRUS-4415 B25

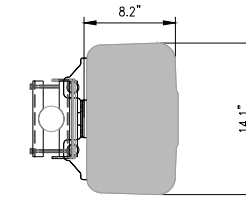
DIMENSIONS, HxWxD: 15"x13.2"x5.8"
 POWER CONSUMPTION: 4x40 WATTS
 TOTAL WEIGHT: 48.5 lbs
 TEMPERATURE: -40° TO 55° C



RRUS-4415 B25 SPECIFICATIONS

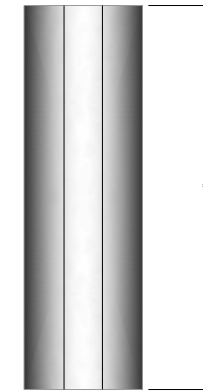
NO SCALE

4



COMMSCOPE 4'-0" 8 PORT
 ANTENNA: JAHH-65A-R3B
 DIMENSIONS (H X W X D):
 55.1" X 14.1" X 8.2"

WEIGHT: 52.9 LBS.
 W/O RET OR MOUNTING
 HARDWARE



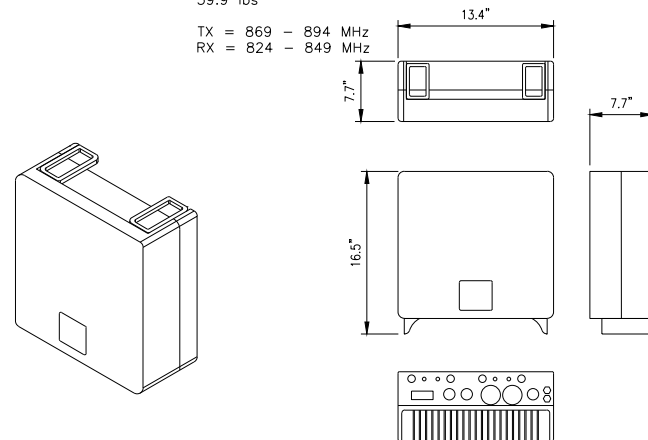
COMMSCOPE 4'-0" 8 PORT ANTENNA

NO SCALE

1

ERICSSON RRUS-4478 B5

DIMENSIONS, HxWxD: 16.5"x13.4"x7.7"
 POWER CONSUMPTION: 805 WATTS
 TOTAL WEIGHT: 59.9 lbs
 B5: TX = 869 - 894 MHz
 RX = 824 - 849 MHz



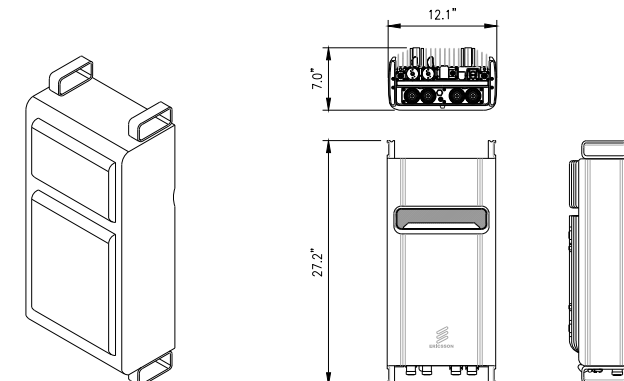
RRUS-4478 B5 SPECIFICATIONS

NO SCALE

8

ERICSSON RRUS-32 B30

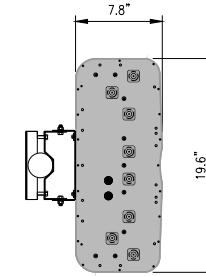
DIMENSIONS, HxWxD: (27.2"Hx12.1"Wx7.0"D)
 DC LOAD VALUE: 800W
 TOTAL WEIGHT: 53 lbs
 WCS: TX = 2350 - 2360 MHz
 RX = 2305 - 2315 MHz



RRUS-32 B30 SPECIFICATIONS

NO SCALE

5



COMMSCOPE 4'-0" 8 PORT
 ANTENNA: NNHH4-65A-R4
 DIMENSIONS (H X W X D):
 55.1 X 19.6" X 7.8"

WEIGHT: 68.3 LBS.
 W/O RET OR MOUNTING
 HARDWARE



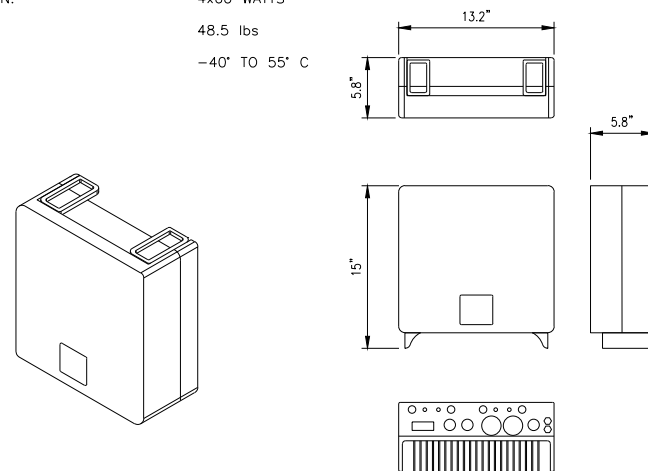
COMMSCOPE 4'-0" 8 PORT ANTENNA

NO SCALE

2

ERICSSON RRUS-4426 B66

DIMENSIONS, HxWxD: 15"x13.2"x5.8"
 POWER CONSUMPTION: 4x60 WATTS
 TOTAL WEIGHT: 48.5 lbs
 TEMPERATURE: -40° TO 55° C



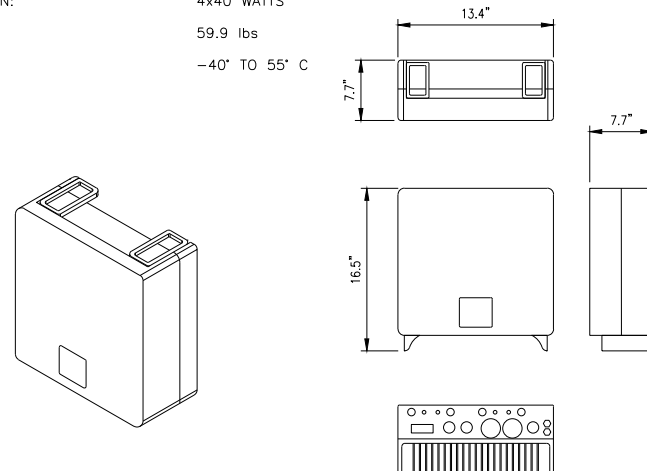
RRUS-4426 B66 SPECIFICATIONS

NO SCALE

9

ERICSSON RRUS-4478 B14

DIMENSIONS, HxWxD: 16.5"x13.4"x7.7"
 POWER CONSUMPTION: 4x40 WATTS
 TOTAL WEIGHT: 59.9 lbs
 TEMPERATURE: -40° TO 55° C



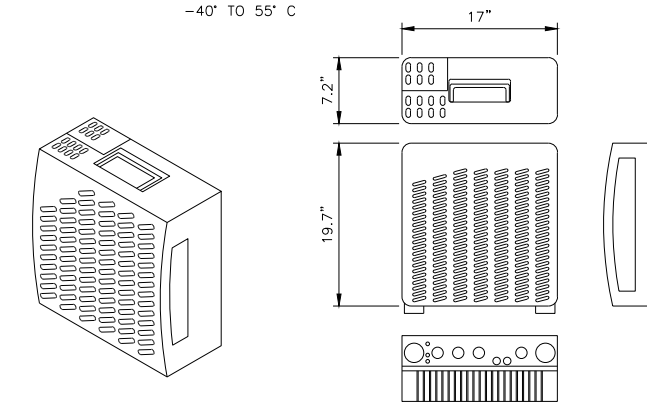
RRUS-4478 B14 SPECIFICATIONS

NO SCALE

6

ERICSSON RRUS-11

DIMENSIONS, WxDxH: 17"x7.2"x19.7"
 POWER CONSUMPTION: 200 WATTS
 TOTAL WEIGHT: 50 lbs
 TEMPERATURE: -40° TO 55° C



RRUS-11 SPECIFICATIONS

NO SCALE

3

CCL02102/CCU2102
 CLAREMONT-PORTOLA DR
 37 VICENTE STREET
 SAN FRANCISCO, CA 94127
 OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
 SAN RAMON, CA 94583



ERICSSON

6140 STONERIDGE MALL RD
 THIRD FLOOR
 PLEASANTON, CA 94588

PLANS PREPARED BY:



REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

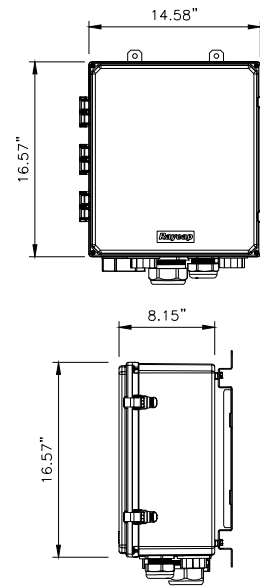
IT IS A VIOLATION OF LAW FOR ANY PERSON,
 UNLESS THEY ARE ACTING UNDER THE DIRECTION
 OF A LICENSED PROFESSIONAL ENGINEER,
 TO ALTER THIS DOCUMENT.

SHEET TITLE
DETAILS

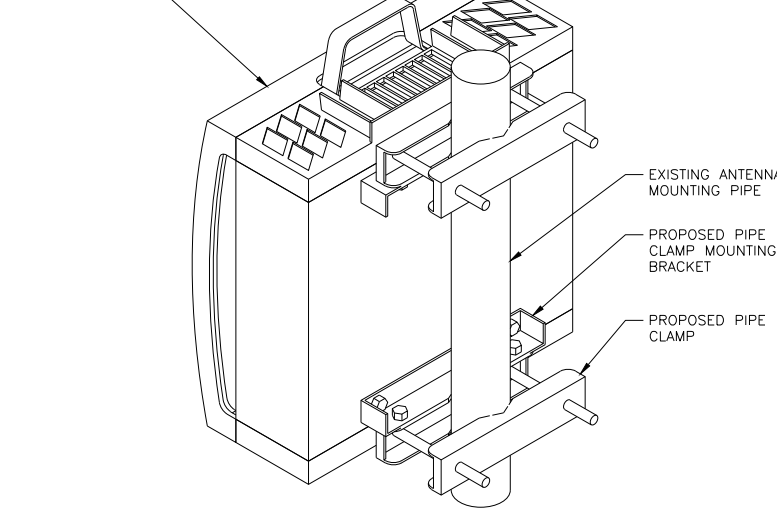
SHEET NUMBER
D-1

RAYCAP DC9-48-60-24-PC16-EV

DIMENSIONS, WxDxH: 370x420mm (14.58"x16.57")
 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: 34.9 lbs

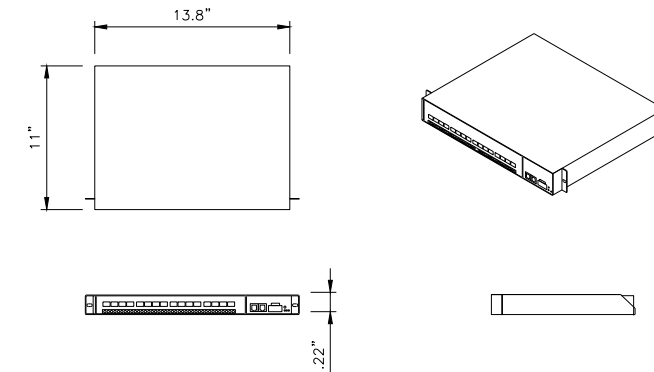


PROPOSED ERICSSON RRU



5216 BASEBAND

DIMENSIONS, WxDxH: (13.8"x11"x1.22")
 MAX POWER CONSUMPTION: 80 W
 BREAKER SIZE: MIN 15 A, MAX 20 A
 TOTAL WEIGHT: ± 9 lbs



DC 9 SURGE PROTECTION DETAIL

NO SCALE

7

RRUS MOUNTING DETAIL

NO SCALE

4

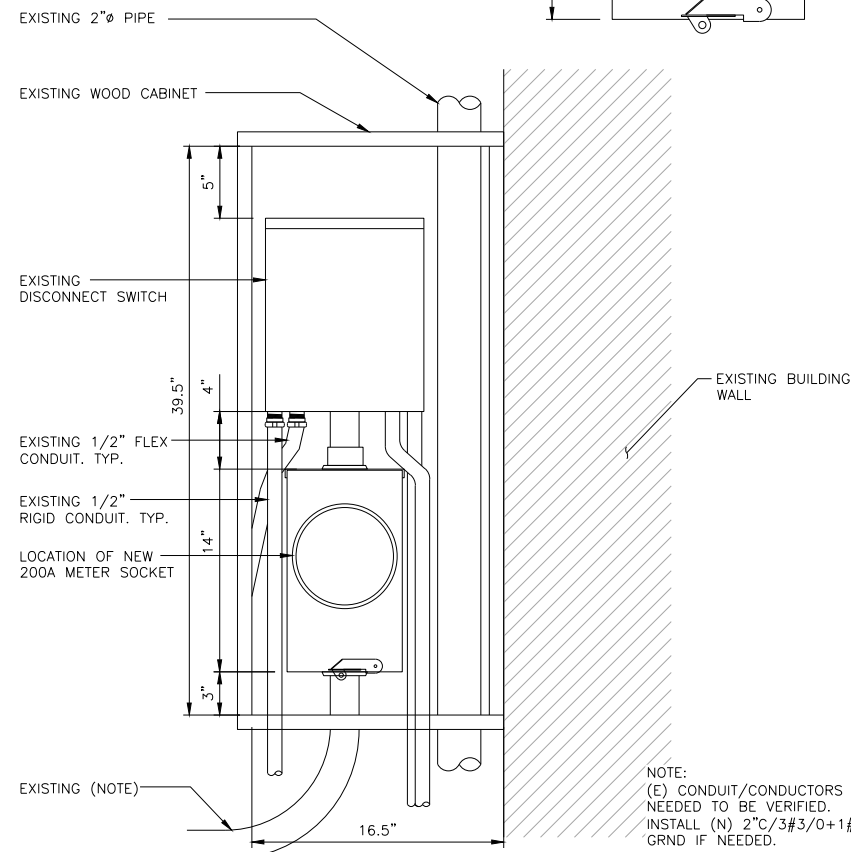
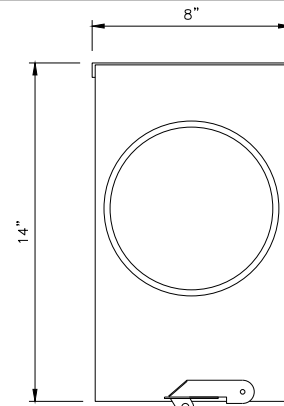
BASEBAND 5216

NO SCALE

1

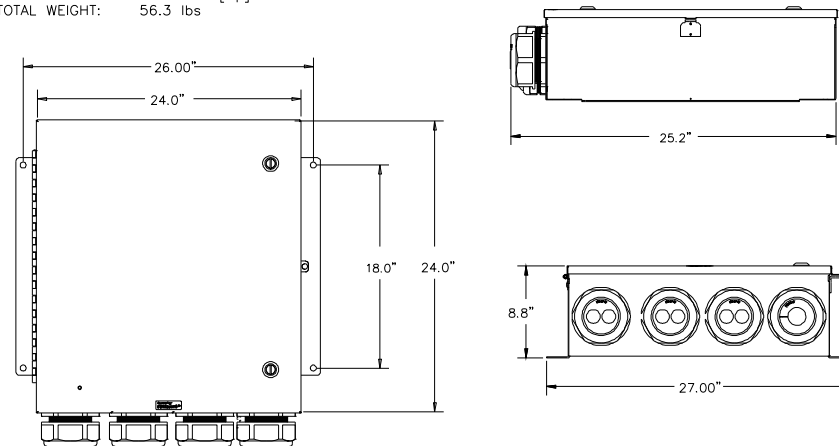
200 AMP RINGLESS METER SOCKET

DIMENSIONS, WxDxH: (14"x8"x4.375")
 MAX AMPERAGE (AMPS): 200 AMPS
 ENCLOSURE TYPE: NEMA TYPE-3R
 TOTAL WEIGHT: 12.06 lbs



DC SURGE PROTECTION SOLUTIONS DC12-48-60-0-25E

DIMENSIONS, HxWxD: 24.00"x24.00"x8.00"
 VOLTAGE PROTECTION RATING (VPR): 400V
 VOLTAGE PROTECTION RATING [Up]: 410V
 TOTAL WEIGHT: 56.3 lbs



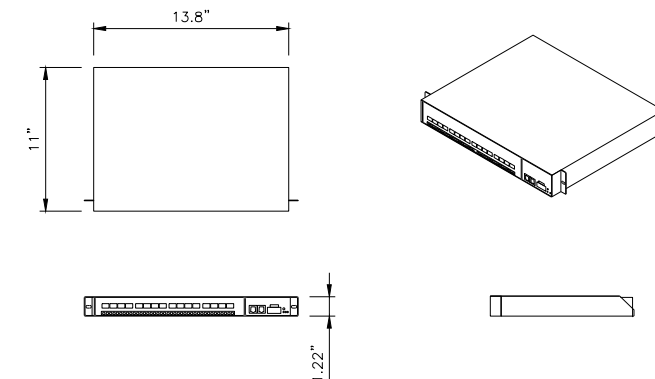
DC SURGE PROTECTION DETAIL

NO SCALE

5

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



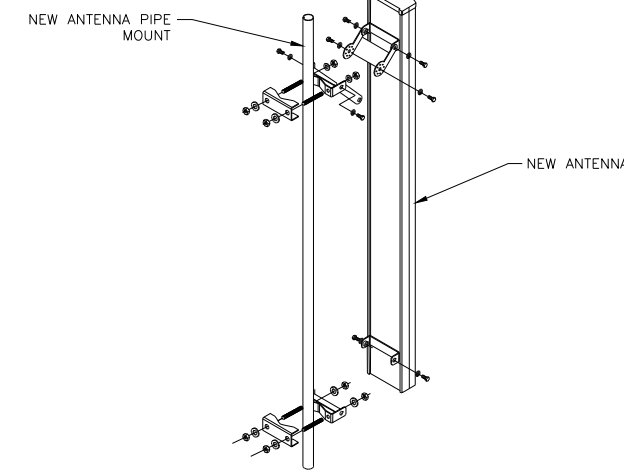
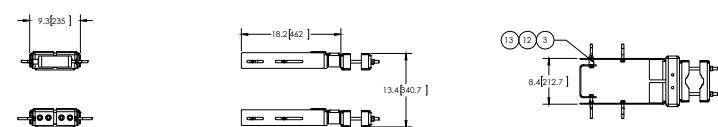
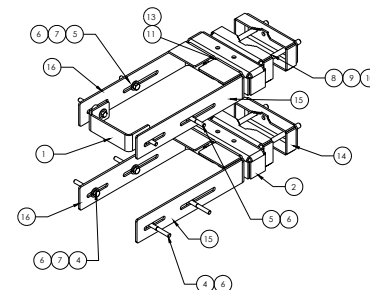
XMU 03 DETAIL

NO SCALE

2

NOTES: 1. ALL METRIC DIMENSIONS ARE IN BRACKETS.
 2. FITS 2-3/8" - 3-1/2" OD PIPE
 3. INSTALL WHEN USING SINGLE RRU/A2 SET-UP.

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT	NOTE NO.
1	MTC332641	FRONT RRU BRACE	1	1.15 LBS	
2	MTC332643	TRANSITION BRACKET	2	3.59 LBS	
3	MTC332613	SPACER FOR 3/8" BOLT	1	0.08 LBS	3
4	MTC332647	M-10 X 75mm Hex Bolt SS	4	0.12 LBS	
5	MTC332648	M-10 X 55mm Hex Bolt SS	4	0.10 LBS	
6	SW-03	3/8" SS LOCK WASHER	8	0.01 LBS	
7	SWF-03	3/8" SS FLAT WASHER	8	0.01 LBS	
8	MT-379-B	1/2" X 8" GALV THREADED ROD	4	0.44 LBS	
9	GWL-04	1/2" GALV LOCK WASHER	8	0.01 LBS	
10	GN-04	1/2" GALV HEX NUT	12	0.04 LBS	
11	GB-03125	3/8" X 1-1/4" GALV BOLT KIT	8	0.06 LBS	
12	GB-03225	3/8" X 2-1/4" GALV BOLT KIT	1	0.09 LBS	3
13	GWF-03	3/8" GALV FLAT WASHER	10	0.01 LBS	3
14	MTC332646	PIPE CLAMP	4	2.44 LBS	
15	MTC332654	RIGHT RRU BRACKET	2	3.22 LBS	
16	MTC332653	LEFT RRU BRACKET	2	3.22 LBS	



COMMSCOPE RR-B2B-AR

NO SCALE

6

TYPICAL ANTENNA MOUNT

NO SCALE

3

CCL02102/CCU2102
 CLAREMONT-PORTOLA DR
 37 VICENTE STREET
 SAN FRANCISCO, CA 94127
 OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
 SAN RAMON, CA 94583



ERICSSON

6140 STONERIDGE MALL RD
 THIRD FLOOR
 PLEASANTON, CA 94588

PLANS PREPARED BY:



REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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

DETAILS

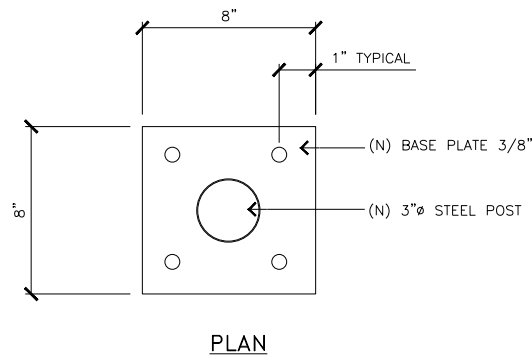
SHEET NUMBER

D-2

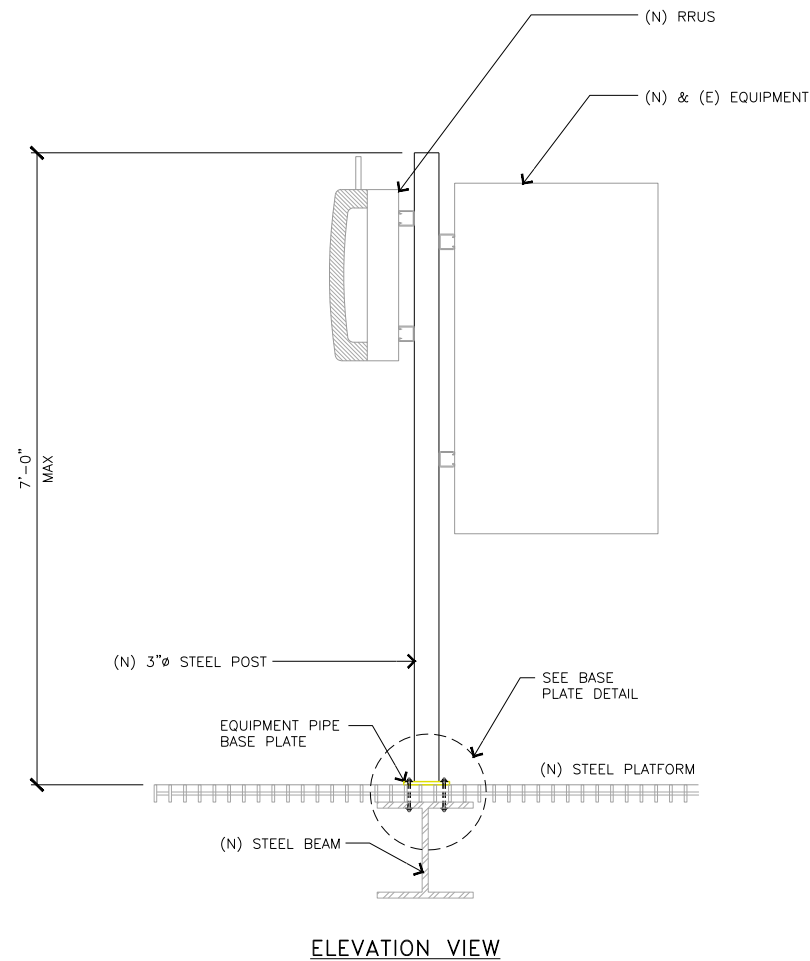
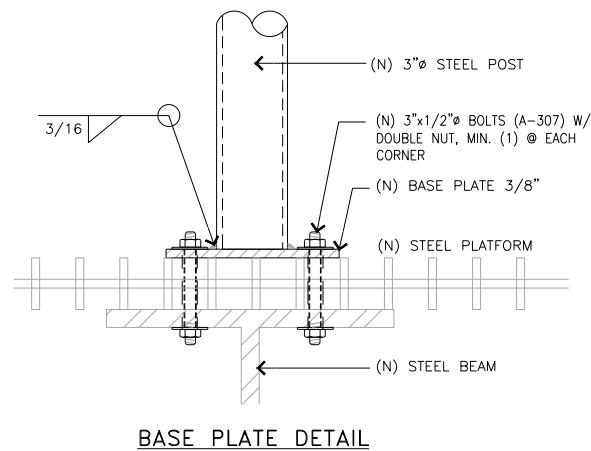
METER SOCKET DETAIL

NO SCALE

8



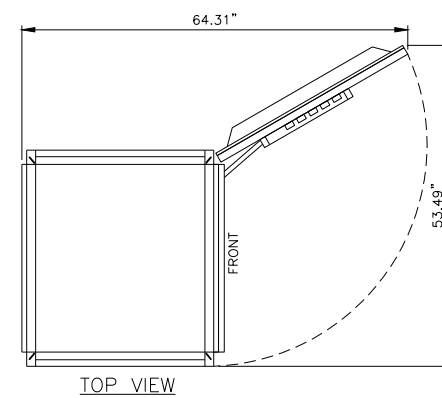
- MATERIAL NOTES:
1. STEEL PLATE A36 MATERIAL, $F_y = 36$ KSI
 2. STANDARD PIPE A53 GR. B, $F_y = 35$ KSI
 3. WELD ELECTRODES, E70XX, 70 KSI
 4. CERTIFIED SHOP WELDERS



H-FRAME DETAIL

NO SCALE

3



AT&T No. NEQ. 15998 -48V DC BATTERY CABINET
NEQ. 15939 24V DC BATTERY CABINET

TECHNICAL SPECIFICATIONS

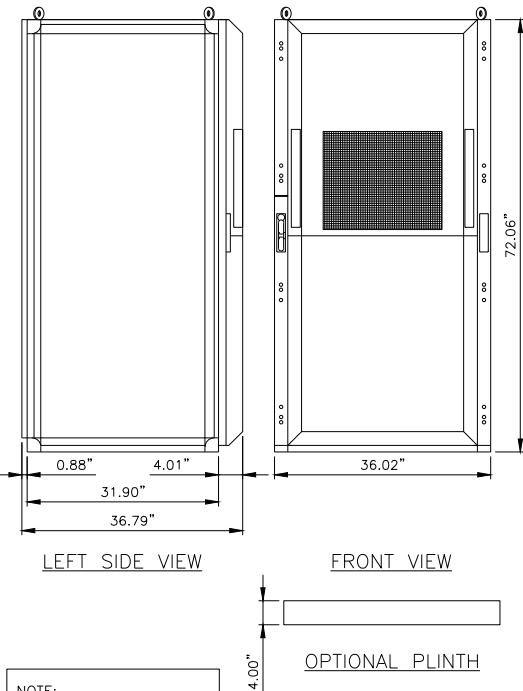
EQUIPMENT
BATTERY SHELVES (5) SHELVES (+24V - 12 STRING MAX/-48V - 6 STRING MAX)
FREE AIR VENTED
GROUND BAR 10 POSITIONS
TERMINAL BLOCK 12-PAIR PHOENIX BLOCK

ENVIRONMENTAL
NEMA ENCLOSURE 3R

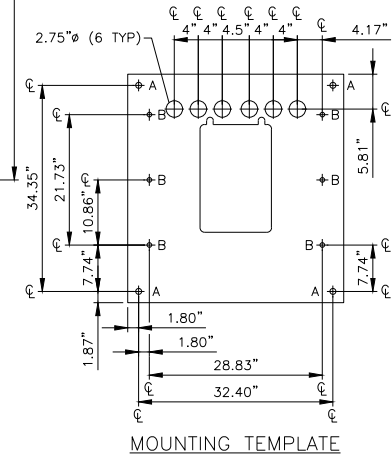
WEIGHT
NetXtend™ FLEX BATTERY CABINET 980lbs (W/O BATTERIES)
4010lbs (W/BATTERIES)
TBD

PLINTH

CLEARANCES
FRONT 36"
LEFT AND RIGHT 0"
REAR 12"



- TEMPLATE NOTES:
- (4) 1" DIAMETER HOLE POSITIONS "A" USED FOR MOUNTING CABINETS ON PLINTHS.
 - (6) 3/4" DIAMETER HOLE POSITIONS "B" USED FOR MOUNTING CABINETS ON PAD WITH OR WITHOUT METAL MOUNTING TEMPLATES.



NOTE:
SEE DETAIL 9/D-3 FOR CABINET MOUNTING DETAIL

EMERSON OUTDOOR NetXtend BATTERY CABINET

NO SCALE

1

CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583

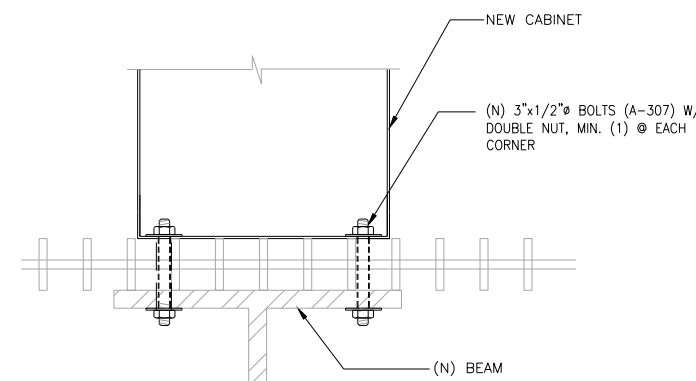


6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:

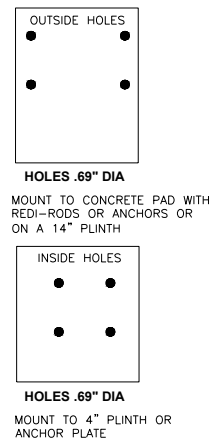


REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS



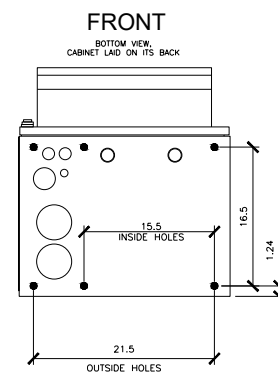
NOTE:
SEE FLEXSURE® PURCELL SYSTEMS® INSTALLATION GUIDE FOR COMPLETE MOUNTING OPTIONS, CONDUIT ENTRY, KNOCKOUTS, GROUNDING REQUIREMENTS AND INSTALLATION NOTES

PREPARING THE MOUNTING LOCATION

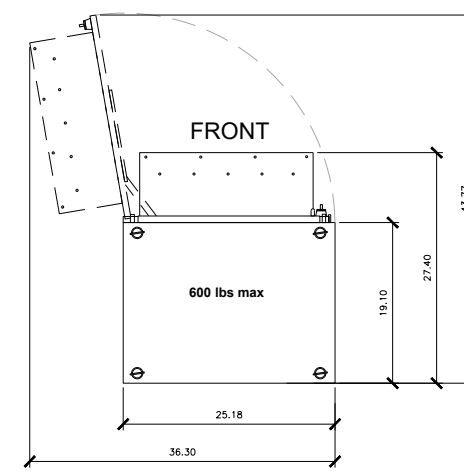


CABINET MOUNTING

NOTE:
SEE DETAIL 9/D-3 FOR CABINET MOUNTING DETAIL



PURCEL CABINET DETAIL



DIMENSIONS AND DOOR SWING

CABINET MOUNTING DETAIL

NO SCALE

4

NO SCALE

2

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
DETAILS

SHEET NUMBER
D-3

SPECIFICATIONS: METER

METER SOCKETS

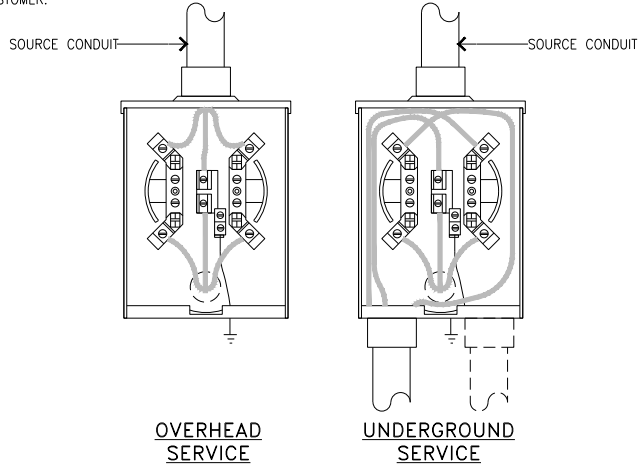
METER SOCKETS ARE FURNISHED, INSTALLED AND MAINTAINED BY THE CUSTOMER. ALL METER SOCKETS SHALL BE RINGLESS, HAVE UL APPROVAL, AND COMPLY WITH ANSI C12.7 SPECIFICATIONS.

METER SOCKETS SHALL BE INSTALLED WHERE READILY ACCESSIBLE (REFERENCE SECTION 5 OF THE PG&E ELECTRIC SERVICE AND METER INSTALLATIONS MANUAL). METER SOCKET LOCATIONS SHALL BE APPROVED BY A PG&E REPRESENTATIVE PRIOR TO INSTALLATION. 100 AMP METER SOCKETS ARE FOR LOW CURRENT APPLICATIONS ONLY (TEMPORARY SERVICES, CATV AMPLIFIER SERVICES, TRAFFIC SIGNAL LIGHTS, AND BILLBOARD SERVICES)

METER SOCKET CONNECTIONS

ALL NEW 100 AMP AND 200 AMP SELF-CONTAINED METER SOCKETS MAY BE EQUIPPED WITH LAY-IN MECHANICAL TERMINALS OR STUDS FOR ONE-HOLE COMPRESSION LUGS. COMPRESSION LUGS ARE PROVIDED BY THE CUSTOMER AND SHALL BE APPROVED BY PG&E. ALL FOUR-GANG OR LARGER METER SOCKETS SHALL HAVE TWO (2) LAY-IN CONNECTIONS ON EACH TERMINAL IN THE CENTER WIRING COMPARTMENT.

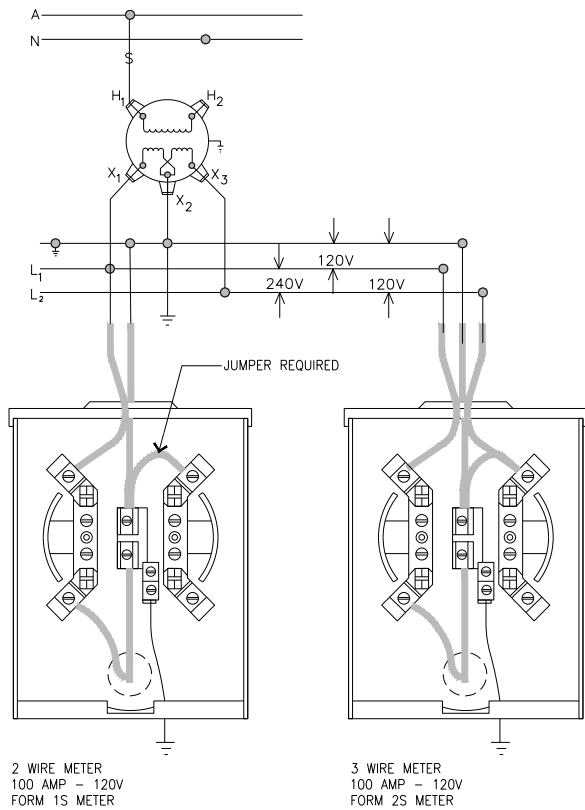
OVERHEAD SERVICE: SOURCE AND LOAD WIRES ARE TERMINATED IN THE METER SOCKET BY THE CUSTOMER. UNDERGROUND SERVICE: CONDUIT TERMINATES AT METER SOCKET ON BOTTOM LEFT OR BOTTOM RIGHT (NEVER IN THE CENTER); SOURCE WIRES ARE TERMINATED BY PG&E; LOAD WIRES ARE TERMINATED BY THE CUSTOMER.



DRAWING 19.01-01

NOTES:

1. ALL INSTALLATIONS SHALL MEET PG&E, NEC, AND LOCAL CODE REQUIREMENTS
2. SOURCE CONDUCTORS SHALL ALWAYS BE TERMINATED IN THE TOP SIDE OF THE METER. FOR CUSTOMER GENERATION APPLICATIONS, I.E. SOLAR, PG&E IS ALWAYS THE SOURCE/LINE AND THE CUSTOMER IS ALWAYS THE LOAD.
3. METER SOCKETS FOR UNDERGROUND MUST BE SIZED TO ACCOMMODATE THE BEND RADIUS OF THE CONDUCTORS BEING INSTALLED (REFERENCE NEC TABLE 312.6 (B))
4. METERED AND UNMETERED CONDUCTORS SHALL NOT OCCUPY THE SAME RACEWAY.
5. ONLY PG&E OWNED EQUIPMENT IS ALLOWED IN METER SOCKET.



2 WIRE METER
100 AMP - 120V
FORM 1S METER

3 WIRE METER
100 AMP - 120V
FORM 2S METER

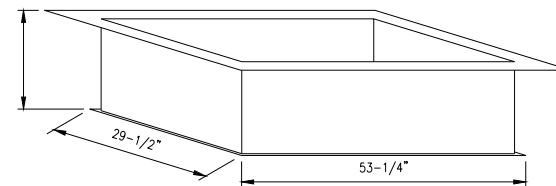
NOTE:
1. SEE DRAWING 19.01-01 FOR GENERAL INFORMATION AND NOTES

METER SPECIFICATIONS

NO SCALE

4

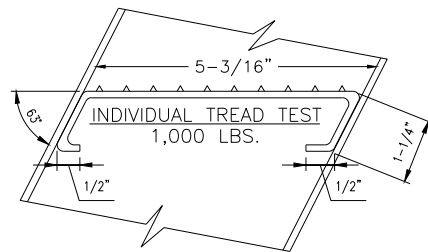
FIVE INCH FLANGE
ALL AROUND TOP
ONE INCH FLANGE
ALL AROUND BOTTOM



REQUIRED ROUGH OPENING
IN CEILING 30" x 54"

SPECIAL DEEP BOX FRAME

1/8" STEEL, TO CONTAIN ALUMINUM SUPER SIMPLEX FOLDING STAIRWAY CUT FOR EXACT FINISHED CEILING HEIGHT.



NOTES

IF FLOOR ABOVE IS MORE THAN 12" ABOVE CEILING LINE, 63 DEGREE ANGLE FRAME IS RECOMMENDED.
DIMENSIONS ON THIS DRAWING PERTAIN ONLY TO CEILING HEIGHTS 9'-9" OR LESS.

OPTIONS

- 2 HOUR FIRE RATED ASSEMBLY
- LOCK ON DOOR PANEL

ROOF ACCESS HATCH DETAIL

NO SCALE

1

CCI 2'-0" 4-PORT
ANTENNA: SCA360F-BU2AA
DIMENSIONS (H X D):
24" X 11.5"

WEIGHT: 6.6 LBS.



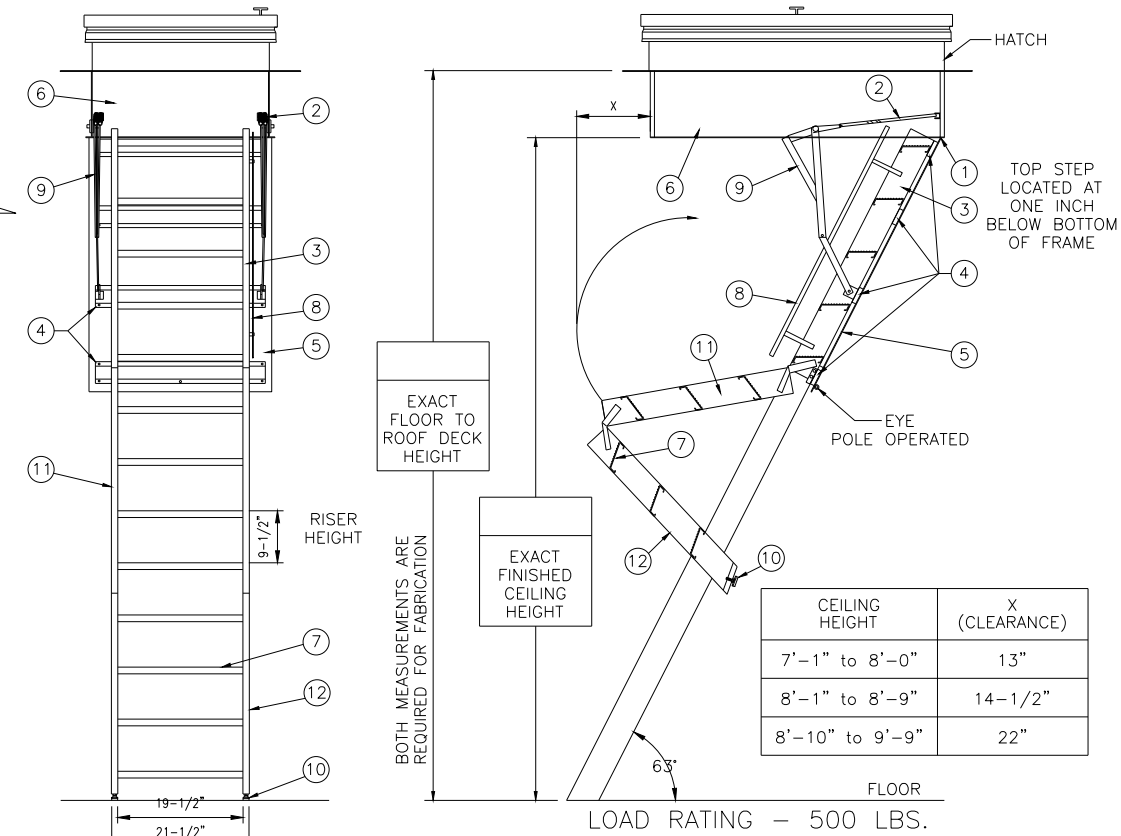
NO SCALE

3

dB SPECTRA-OMNI 2'-0" ANTENNA

LADDER LEGEND

- | | |
|---------------------------|------------------------------|
| 1. STEEL PIANO DOOR HINGE | 7. TREAD (SERRATED ALUM.) |
| 2. DOUBLE SPRING ACTION | 8. HANDRAIL BOTH SIDES |
| 3. SIDE RUNNER 5" ALUM. | 9. EXTRA HEAVY OPERATING ARM |
| 4. BATTEN 1/8" ALUM. | 10. ADJUSTABLE FOOT |
| 5. DOOR PANEL 1/8" ALUM. | 11. MIDDLE SECTION |
| 6. STEEL BOX FRAME | 12. BOTTOM SECTION |

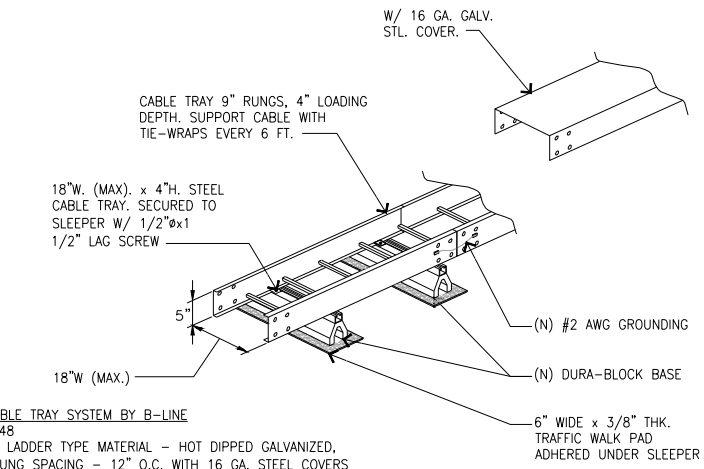


BOTH MEASUREMENTS ARE REQUIRED FOR FABRICATION

LOAD RATING - 500 LBS.

NOTE:

1. RUBBER WALK PAD NOT TO BE AFFIXED TO ROOF TOP.
2. RUN #2 AWG BTCW GROUND CONDUCTOR ALONG CABLE TRAY AND GROUND AT BOTH ENDS.



STEEL CABLE TRAY SYSTEM BY B-LINE
SERIES 248
COVER & LADDER TYPE MATERIAL - HOT DIPPED GALVANIZED,
18 GA. RUNG SPACING - 12" O.C. WITH 16 GA. STEEL COVERS

CABLE TRAY ON ROOF

NO SCALE

2

CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583



6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:



REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFD/S/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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
DETAILS

SHEET NUMBER
D-4

GENERAL NOTES:

1. PLAN DRAWINGS SHOWN HEREIN ARE DIAGRAMMATIC AND DOES NOT NECESSARILY DEPICT THE EXACT EQUIPMENT QUANTITIES, LOCATION, LAYOUT AND CONFIGURATION. REFER TO ARCHITECTURAL PLANS FOR EXACT EQUIPMENT LOCATION, LAYOUT AND CONFIGURATION.
2. PLAN DRAWINGS SHOWN HEREIN DO SHOW THE NECESSARILY DEPICT ELECTRICAL REQUIREMENTS OF INDIVIDUAL EQUIPMENT AND DEVICES SUCH AS THE EQUIPMENT GROUNDING REQUIREMENTS, POWER REQUIREMENTS AND TELCO RACEWAY REQUIREMENTS.
3. REFER TO ARCHITECTURAL PLANS FOR THE LOCATION OF POWER AND TELCO POINT OF CONNECTIONS, THE DISTANCE OF THE RUN AND THE SUGGESTED CONDUIT ROUTING. FIELD VERIFY EXISTING CONDITIONS SPECIFICALLY FOR CONDUIT ROUTING PRIOR TO BID.
4. ALL NEW GROUNDING WORK SHALL BE IN ACCORDANCE TO THE AT&T GROUNDING STANDARDS

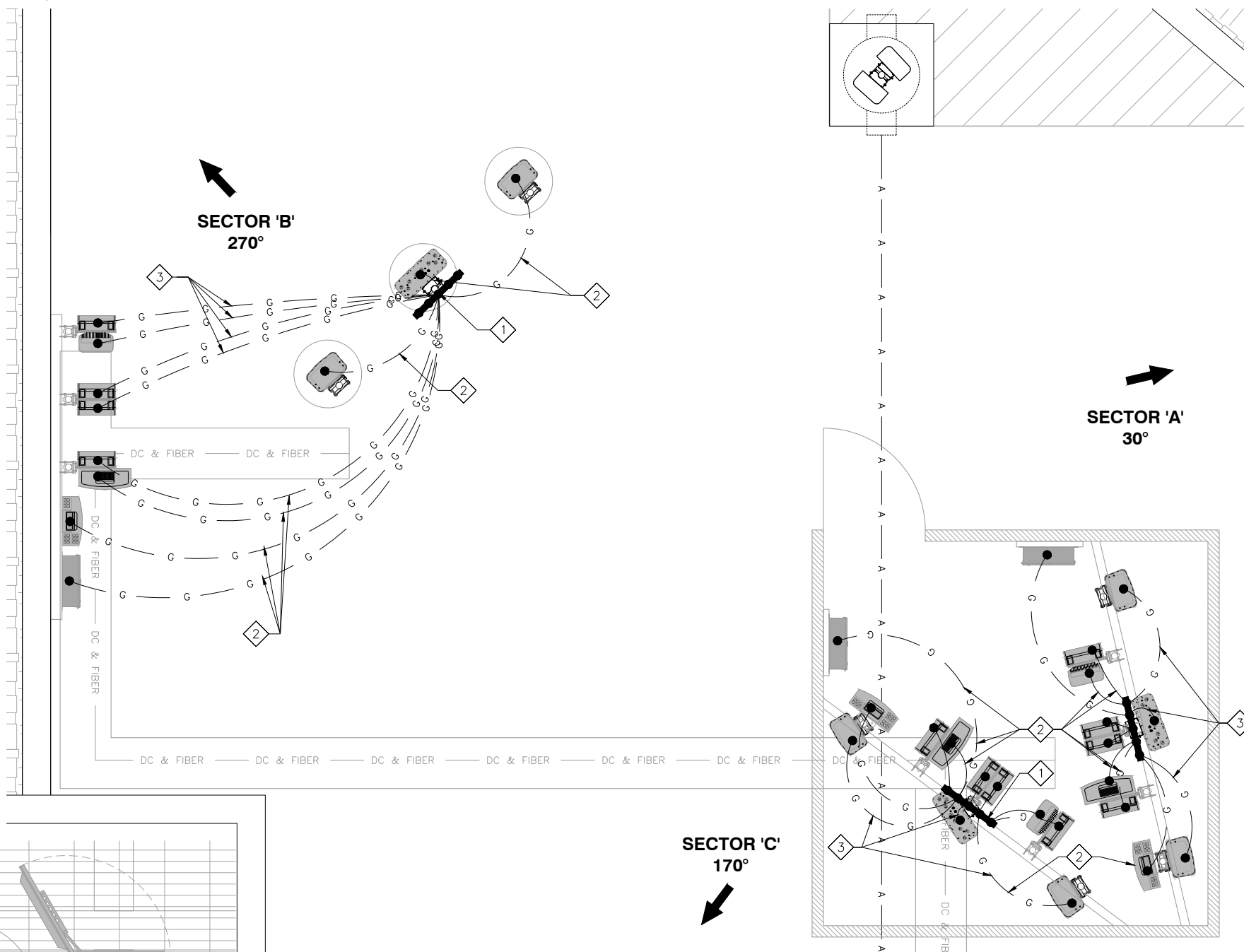
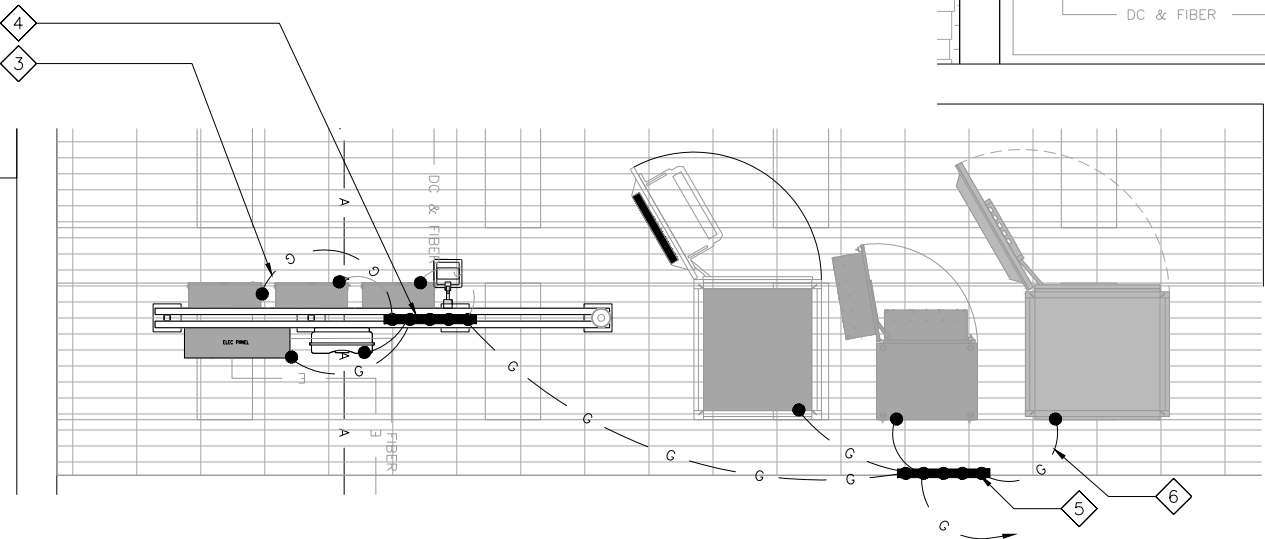
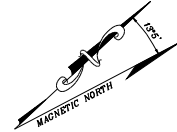
ALL WORK SHALL BE IN ACCORDANCE TO THE AT&T GROUNDING STANDARDS MORE SPECIFICALLY, ALL CONNECTIONS SHALL BE MADE WITH AN EXOTHERMIC WELD PROCESS. WHERE EXOTHERMIC WELDS ARE NOT POSSIBLE, A 2-HOLE COMPRESSION TYP LUG IS PERMITTED

KEY NOTES

- 1 ANTENNA GROUND BAR @ EACH SECTOR
- 2 AWG-6 INSULATED COPPER GROUND FROM ANTENNA GROUND KIT TO ANTENNA GROUND BAR (TYP.)
- 3 AWG-2 INSULATED COPPER GROUND WIRE FROM RRUS AND SURGE SUPPRESSORS TO ANTENNA GROUND BAR
- 4 GROUND BAR @ H-FRAME
- 5 EQUIPMENT GROUND BUS BAR
- 6 AWG-2 INSULATED COPPER GROUND WIRE
- 7 AWG-2 INSULATED COPPER GROUND WIRE CONNECT TO BUILDING STEEL OR (E) BUILDING SERVICE GROUND.

LEGEND

- MECHANICAL CONNECTION
- EXOTHERMIC WELD (CADWELD/THERMOWELD) CONNECTION.
- G- #2 AWG INSULATED, COPPER WIRE (UNLESS OTHERWISE SPECIFIED).
- S.O.H. S.O.H. SECONDARY OVERHEAD



GROUNDING PLAN, LEGEND & NOTES

CCL02102/CCU2102
CLAREMONT-PORTOLA DR
37 VICENTE STREET
SAN FRANCISCO, CA 94127
OUTDOOR/ROOFTOP



5001 EXECUTIVE PKWY.
SAN RAMON, CA 94583



ERICSSON

6140 STONERIDGE MALL RD
THIRD FLOOR
PLEASANTON, CA 94588

PLANS PREPARED BY:



Pramira
ARCHITECTURAL & ENGINEERING SERVICES

REV	DATE	DESCRIPTION	INT
B	03/12/2021	REVISED RFDS/ EME	JS
A	01/12/2021	100% CONSTRUCTION DRAWINGS	JS

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
GROUNDING DETAILS

SHEET NUMBER
E-1

EXOTHERMIC (EXOTHERMIC) ●
COMPRESSION CONNECTION (TWO HOLE LUG OR EQUIVALENT) ■

CHEMICAL ELECTROLYTIC GROUNDING SYSTEM ●
GROUND ROD ■

TEST GROUND ROD WITH INSPECTION SLEEVE ■
EXOTHERMIC WITH INSPECTION SLEEVE ■

GROUNDING CONDUCTOR - - -
GROUNDING BAR —●—

GRAPHICS LEGEND



CEQA Exemption Determination

PROPERTY INFORMATION/PROJECT DESCRIPTION

Project Address 37 Vicente Street		Block/Lot(s) 2989B032
Case No. 2020-006344PRJ		Permit No.
<input checked="" 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. AT&T modification: Remove two existing omni antennas from facade; install nine new panel antennas on roof top screened within FRP box and three faux vent exhaust chimneys; relocate equipment from side yard to roof top.</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"/>	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: (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. (b) The proposed development occurs within city limits on a project site of no more than 5 acres substantially surrounded by urban uses. (c) The project site has no value as habitat for endangered rare or threatened species. (d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality. (e) The site can be adequately served by all required utilities and public services.
<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 2: ENVIRONMENTAL SCREENING ASSESSMENT

TO BE COMPLETED BY PROJECT PLANNER

<input type="checkbox"/>	<p>Air Quality: Would the project add new sensitive receptors (specifically, schools, day care facilities, hospitals, residential dwellings, and senior-care facilities within an Air Pollution Exposure Zone? Does the project have the potential to emit substantial pollutant concentrations (e.g. use of diesel construction equipment, backup diesel generators, heavy industry, diesel trucks, etc.)? <i>(refer to the Environmental</i></p>
<input type="checkbox"/>	<p>Hazardous Materials: <input type="checkbox"/> Maher or <input type="checkbox"/> Cortese</p> <p>Is the project site located within the Maher area or on a site containing potential subsurface soil or groundwater contamination and would it involve ground disturbance of at least 50 cubic yards or a change of use from an industrial use to a residential or institutional use? Is the project site located on a Cortese site or would the project involve work on a site with an existing or former gas station, parking lot, auto repair, dry cleaners, or heavy manufacturing use, or a site with current or former underground storage tanks? <i>if Maher box is checked, note below whether the applicant has enrolled in or received a waiver from the San Francisco Department of Public Health (DPH) Maher program, or if Environmental Planning staff has determined that hazardous material effects would be less than significant.</i></p> <p>Note that a categorical exemption shall not be issued for a project located on the Cortese List</p>
<input type="checkbox"/>	<p>Transportation: Does the project involve a child care facility or school with 30 or more students, or a location 1,500 sq. ft. or greater? Does the project have the potential to adversely affect transit, pedestrian and/or bicycle safety (hazards) or the adequacy of nearby transit, pedestrian and/or bicycle facilities? Would the project involve the intensification of or a substantial increase in vehicle trips at the project site or elsewhere in the region due to autonomous vehicle or for-hire vehicle fleet maintenance, operations or</p>
<input type="checkbox"/>	<p>Archeological Resources: Would the project result in soil disturbance/modification greater than two (2) feet below grade in an archeological sensitive area or eight (8) feet in a non-archeological sensitive area? If yes, archeology review is required.</p>
<input type="checkbox"/>	<p>Subdivision/Lot Line Adjustment: Does the project site involve a subdivision or lot line adjustment on a lot with a slope average of 20% or more? <i>(refer to the Environmental Information tab on https://sfplanninggis.org/PIM/)</i> If box is checked, Environmental Planning must issue the exemption.</p>
<input type="checkbox"/>	<p>Average Slope of Parcel = or > 25%, or site is in Edgehill Slope Protection Area or Northwest Mt. Sutro Slope Protection Area: Does the project involve any of the following: (1) New building construction, except one-story storage or utility occupancy, (2) horizontal additions, if the footprint area increases more than 50%, or (3) horizontal and vertical additions increase more than 500 square feet of new projected roof area? <i>(refer to the Environmental Information tab on https://sfplanninggis.org/PIM/)</i> If box is checked, a geotechnical report is likely required and Environmental Planning must issue the exemption.</p>
<input type="checkbox"/>	<p>Seismic Hazard: <input type="checkbox"/> Landslide or <input type="checkbox"/> Liquefaction Hazard Zone:</p> <p>Does the project involve any of the following: (1) New building construction, except one-story storage or utility occupancy, (2) horizontal additions, if the footprint area increases more than 50%, (3) horizontal and vertical additions increase more than 500 square feet of new projected roof area, or (4) grading performed at a site in the landslide hazard zone? <i>(refer to the Environmental Information tab on https://sfplanninggis.org/PIM/)</i> If box is checked, a geotechnical report is required and Environmental Planning must issue the exemption.</p>
<p>Comments and Planner Signature (optional): Ryan Balba</p>	

**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 checked="" 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 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 checked="" 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 type="checkbox"/>	8. Work consistent with the <i>Secretary of the Interior Standards for the Treatment of Historic Properties (Analysis required)</i> :
<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 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:	

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: Ryan Balba
	If Discretionary Review before the Planning Commission is requested, the Discretionary Review hearing is the Approval Action for the	09/22/2021
	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:



LAND USE INFORMATION

PROJECT ADDRESS: 37 VICENTE ST
RECORD NO.: 2020-006344CUA

	EXISTING	PROPOSED	NET NEW
GROSS SQUARE FOOTAGE (GSF)			
Parking GSF	N/A	N/A	N/A
Residential GSF	N/A	N/A	N/A
Retail/Commercial GSF	1764	1764	0
Office GSF	N/A	N/A	N/A
Industrial/PDR GSF <i>Production, Distribution, & Repair</i>	N/A	N/A	N/A
Medical GSF	N/A	N/A	N/A
Visitor GSF	N/A	N/A	N/A
CIE GSF	N/A	N/A	N/A
Usable Open Space	N/A	N/A	N/A
Public Open Space	N/A	N/A	N/A
Other ()	N/A	N/A	N/A
TOTAL GSF			
	EXISTING	NET NEW	TOTALS
PROJECT FEATURES (Units or Amounts)			
Dwelling Units - Affordable	N/A	N/A	N/A
Dwelling Units - Market Rate	N/A	N/A	N/A
Dwelling Units - Total	N/A	N/A	N/A
Hotel Rooms	N/A	N/A	N/A
Number of Buildings	N/A	N/A	N/A
Number of Stories	N/A	N/A	N/A
Parking Spaces	N/A	N/A	N/A
Loading Spaces	N/A	N/A	N/A
Bicycle Spaces	N/A	N/A	N/A
Car Share Spaces	N/A	N/A	N/A
Other ()	N/A	N/A	N/A

	EXISTING	PROPOSED	NET NEW
LAND USE - RESIDENTIAL			
Studio Units	N/A	N/A	N/A
One Bedroom Units	N/A	N/A	N/A
Two Bedroom Units	N/A	N/A	N/A
Three Bedroom (or +) Units	N/A	N/A	N/A
Group Housing - Rooms	N/A	N/A	N/A
Group Housing - Beds	N/A	N/A	N/A
SRO Units	N/A	N/A	N/A
Micro Units	N/A	N/A	N/A
Accessory Dwelling Units	N/A	N/A	N/A

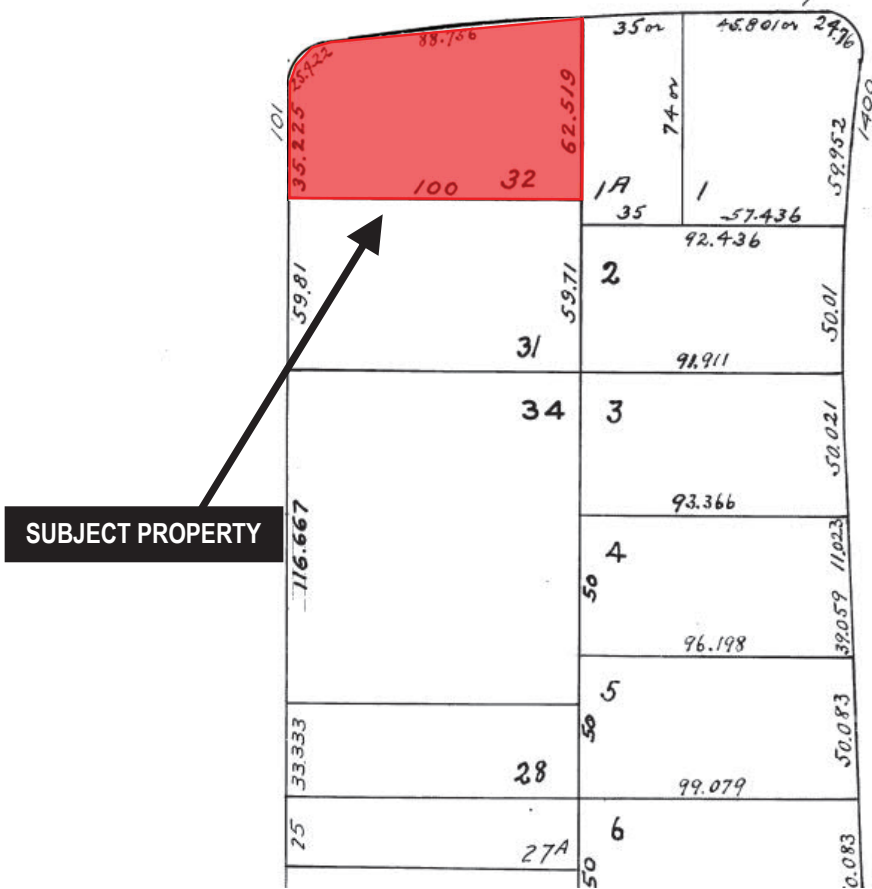
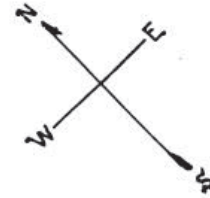
*This Land Use Table includes only information related to the installation of a wireless telecommunications facility use. The "Retail/Commercial GSF" row refers specifically to the roof, where the installation is proposed. This table does not include information about the entire building.

Parcel Map

PART OF WEST PORTAL PARK

VICENTE

REVISED 1974
" '77

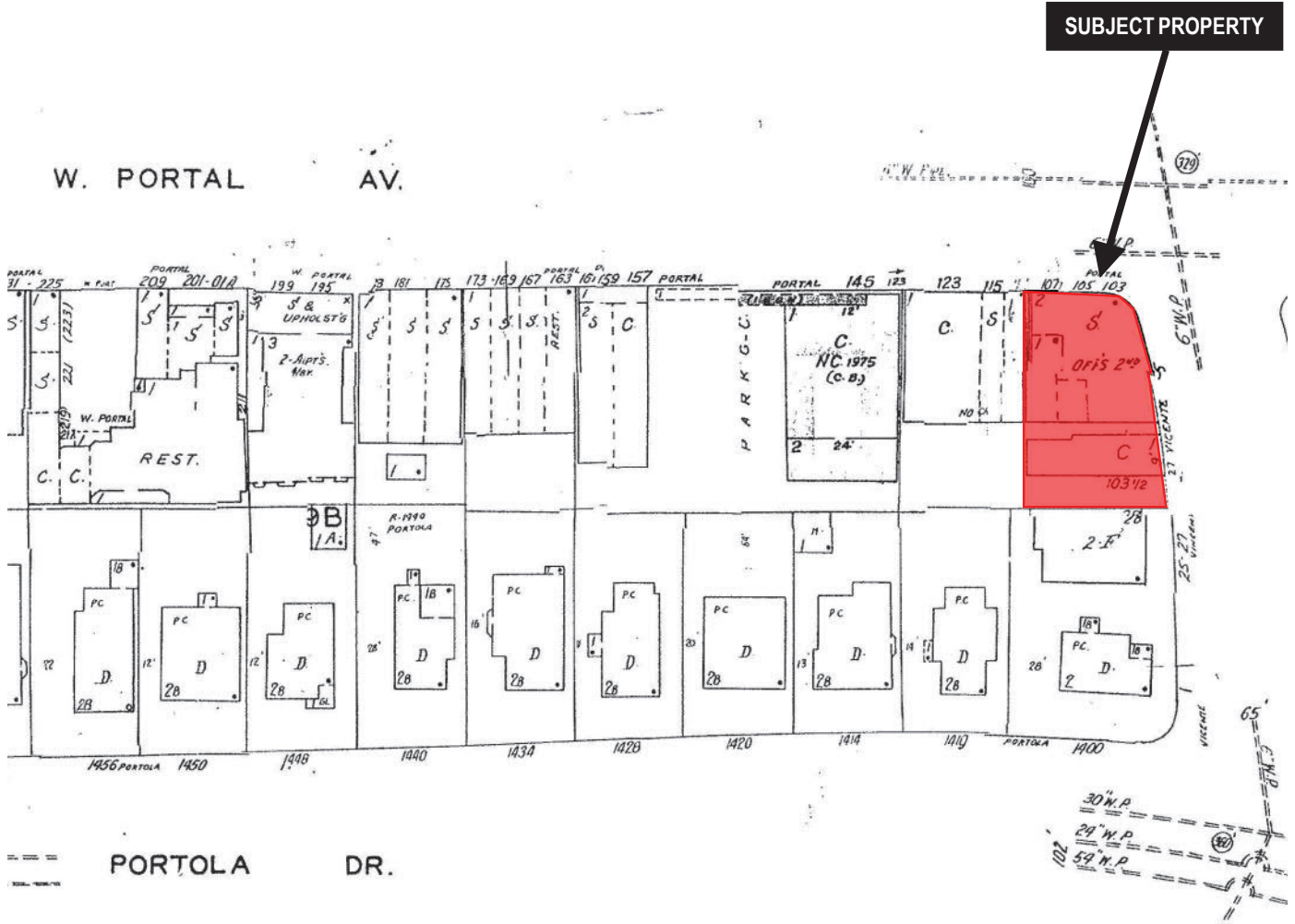


SUBJECT PROPERTY



Conditional Use Authorization
Case Number 2020-006344CUA
Macro Wireless Facility
37 Vicente Street

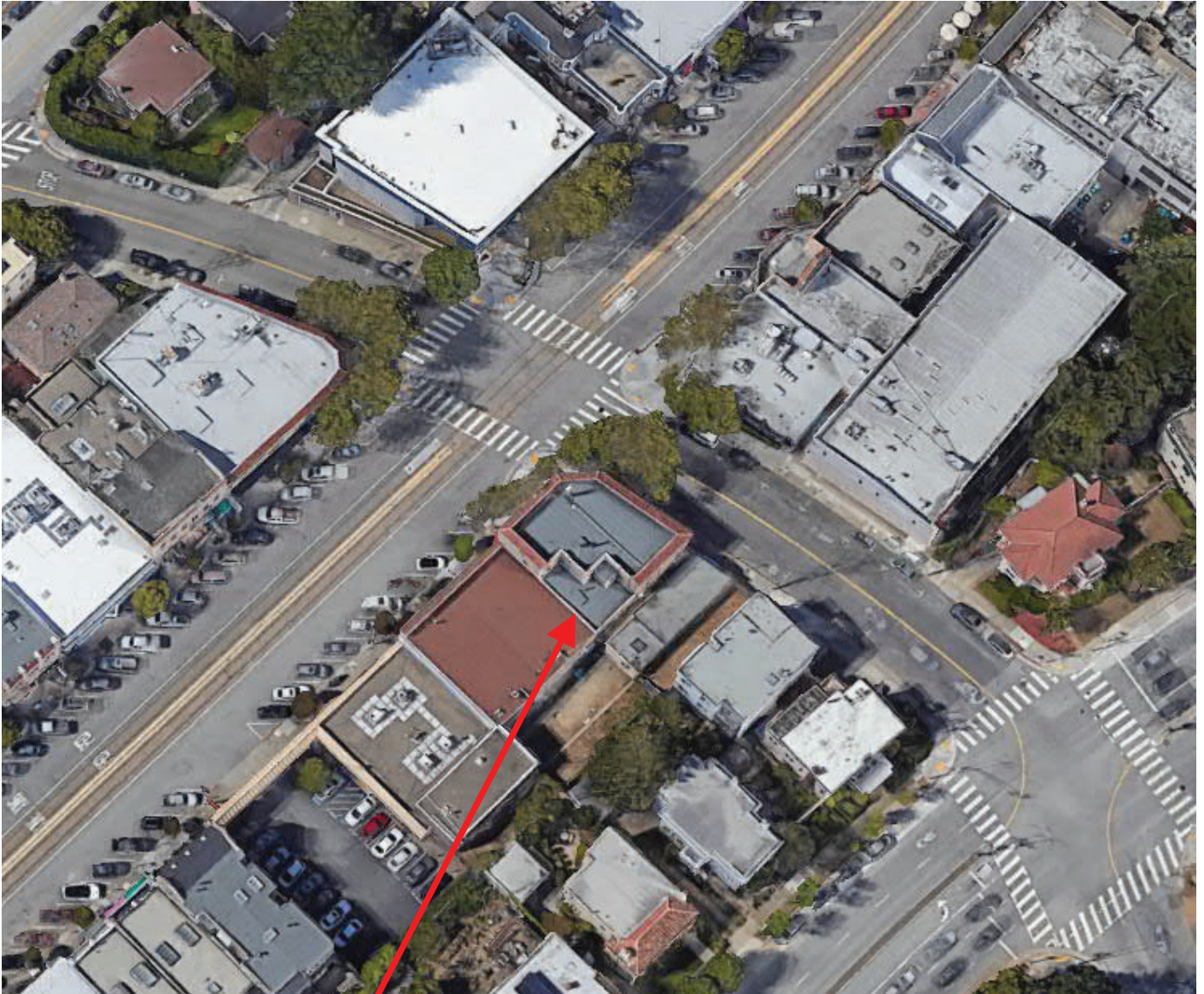
Sanborn Map*



*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



Conditional Use Authorization
Case Number 2020-006344CUA
Macro Wireless Facility
37 Vicente Street

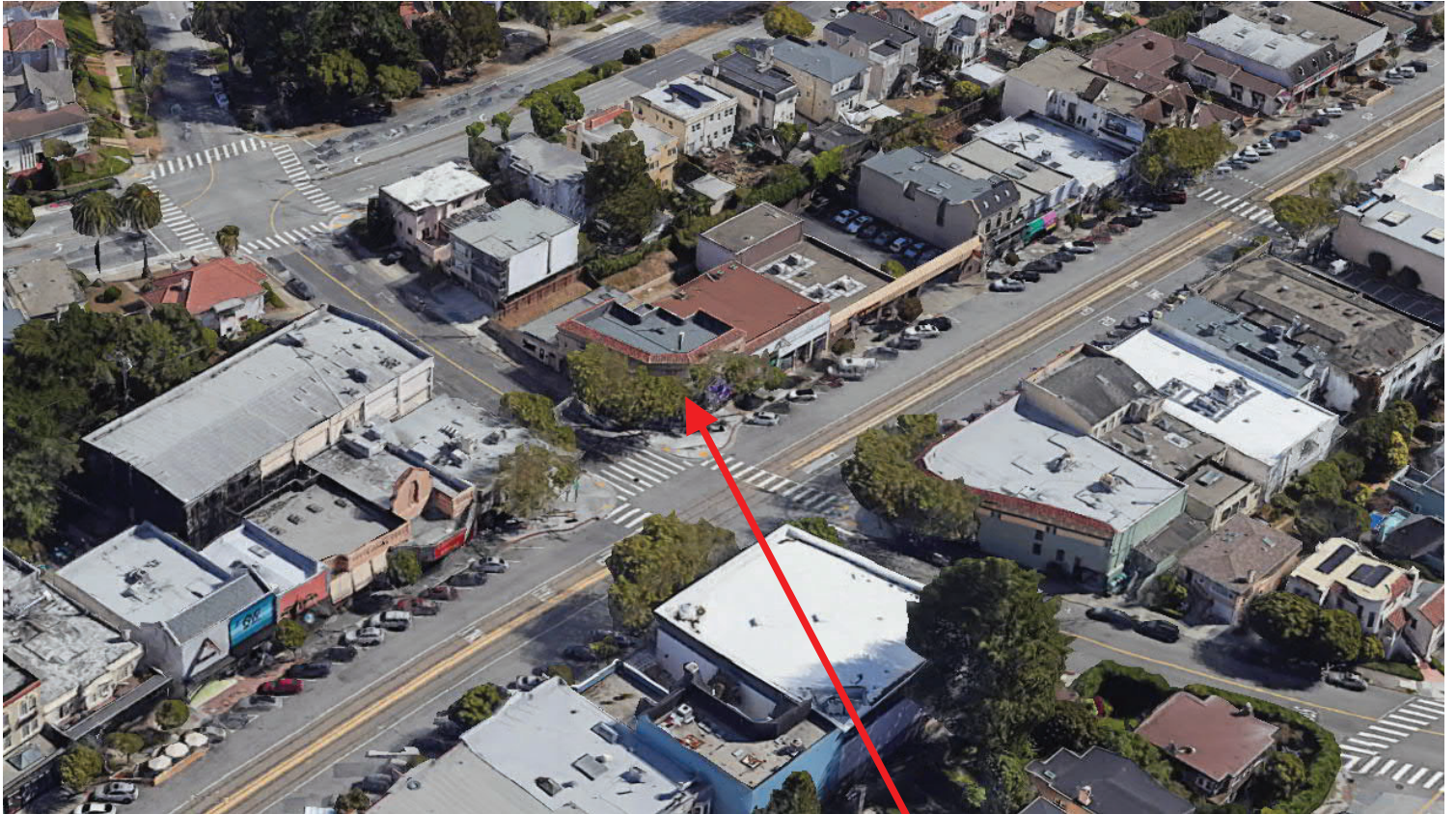
Aerial Photo – View 2



SUBJECT PROPERTY



Aerial Photo – View 3

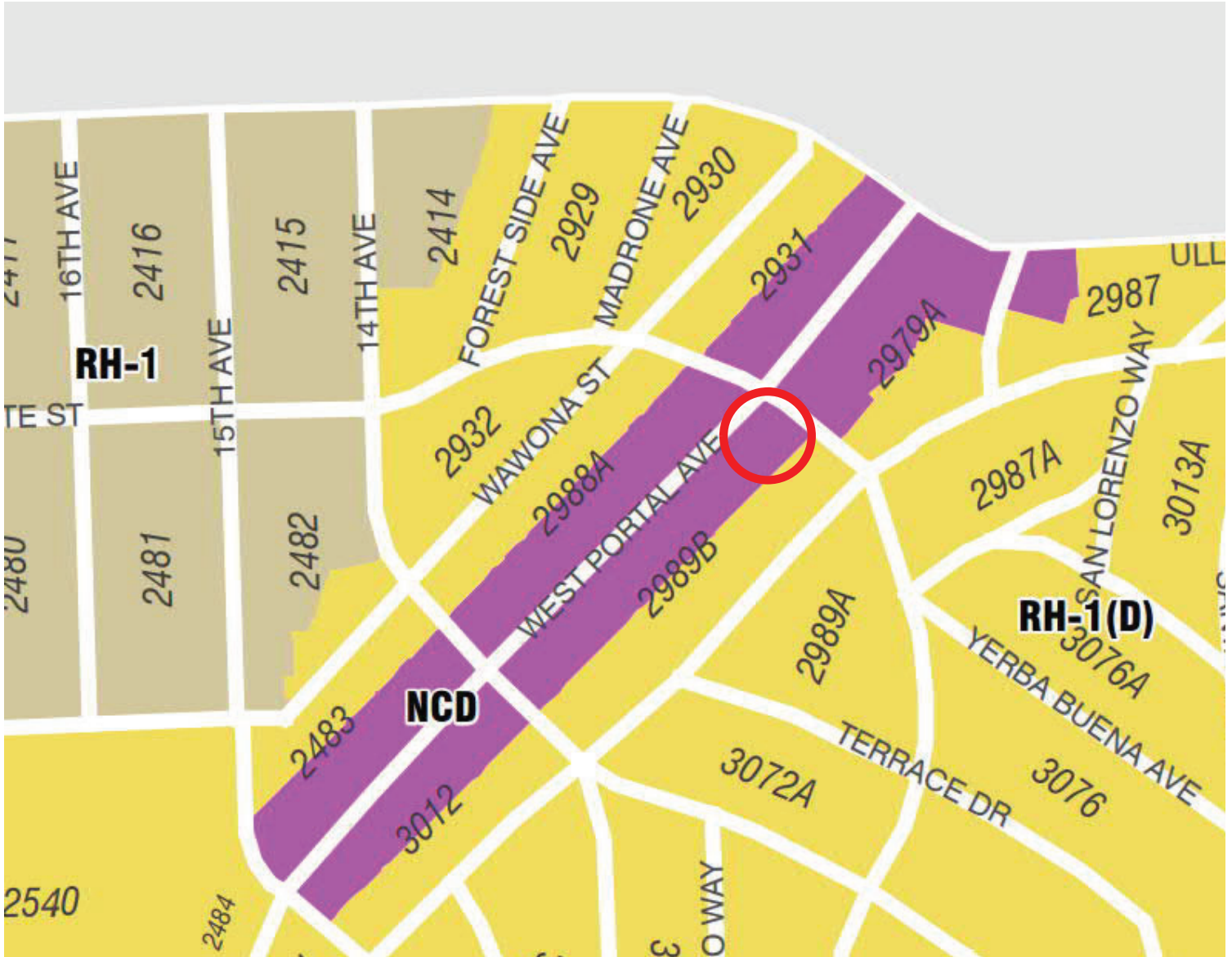


SUBJECT PROPERTY



Conditional Use Authorization
Case Number 2020-006344CUA
Macro Wireless Facility
37 Vicente Street

Zoning Map



Conditional Use Authorization
Case Number 2020-006344CUA
Macro Wireless Facility
37 Vicente Street

Site Photo



Conditional Use Authorization
Case Number 2020-006344CUA
Macro Wireless Facility
37 Vicente Street

**AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65**

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. CCL02102) located at 37 Vicente 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 Pramira Architectural & Engineering Services, dated January 8, 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. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65

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

AT&T had installed two omnidirectional “whip” antennas on the west side of the two-story mixed-use building located at 37 Vicente Street in San Francisco. Located above the roof of the building was a directional panel antenna for use by T-Mobile, within a shroud configured to resemble a vent.

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 existing antennas and to install replacement antennas above the roof. 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 its dB Spectra Model DST05F36U-D omnidirectional antennas and to install nine CommScope directional panel antennas – six Model JAHH-65A and three Model NNHH-65A-R4 – on short poles above the roof. The nine antennas would be mounted at an effective height of about 42 feet above ground, 9 feet above the roof, and would be oriented in identical groups of three toward 20°T,* 190°T,* and 270°T. The 20°T and 190°T antennas would employ no more than 2° downtilt, and the 270°T antennas would employ up to 18° downtilt.

For the limited purpose of this study, it is assumed that T-Mobile has installed one Ericsson Model AIR21 antenna at an effective height of about 42 feet above ground, employing 2° downtilt.

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 upper roof near the proposed antenna location was measured[†] to be 15% of the applicable public exposure limit. The maximum existing RF level for a person at ground near the site was measured to be 0.0013 mW/cm², which is 0.65% of the most restrictive public limit.

* Based on information received from AT&T subsequent to the date of the drawings.

† September 26, 2019, using calibrated Narda Type NBM-520 Broadband Field Meter with EA-5091 and EF-0691 Isotropic Broadband Electric Field Probes (Serial Nos. 01291 and H-0087, respectively).

AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65

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 any direction is 20,770 watts, representing simultaneous operation at 3,600 watts for WCS, 7,740 watts for AWS, 4,620 watts for PCS, 1,090 watts for cellular, and 3,720 watts for 700 MHz service. For the limited purpose of this study the maximum effective radiated power by T-Mobile is 4,400 watts, representing the simultaneous operation at 2,200 watts for AWS, and 2,200 watts for PCS service.

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

The maximum calculated cumulative level at any nearby building is 98% of the public limit; this occurs on the roof of the commercial building at 48 Vicente Street, about 75 feet across the street. The maximum calculated cumulative level inside the top-floor elevation of any nearby building is 75% of the public exposure limit; this occurs at the residential building at 25-27 Vicente Street.

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 by itself is calculated to be 0.20 mW/cm², which is 26% of the applicable public exposure limit. Cumulative RF levels at ground level near the site are therefore estimated to be less than 27% 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 95 and 36 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.

There is no roof access presently installed; it is recommended that the roof access hatch proposed by AT&T be kept locked, so that the antennas are not accessible to unauthorized persons. It is recommended that measurements be conducted at 48 Vicente Street when construction is complete, in order to confirm that actual exposure levels there do comply with the FCC public exposure limits.



**AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65**

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 structure, including employees and contractors of the wireless carriers and of the property owner. 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. No work in the red-striped areas or above the roof within 36 feet of the antennas, such as might occur during certain maintenance activities, should be 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 explanatory signs[‡] be posted at the new roof access hatch, at edges of the striped areas, and at the antennas, readily visible from any angle of approach to persons who might need to work within that distance. Similar measures should already be in place for T-Mobile; applicable mitigations for that carrier have not been determined as part of this study.

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, 2021. 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.

[‡] 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.



**AT&T Mobility • Base Station No. CCL02102
37 Vicente Street • San Francisco, California
FA No. 10101864, USID No. 47421, PA No. 3701A0EA65**

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 37 Vicente Street in San Francisco, California, can comply with the prevailing standards for limiting human exposure to radio frequency energy and, therefore, need 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. Taking measurements and locking the roof access hatch is recommended to establish compliance with public exposure limits; training authorized personnel, marking roof areas, and posting explanatory signs are recommended to establish compliance with occupational exposure limits.



William F. Hammett

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

March 2, 2021

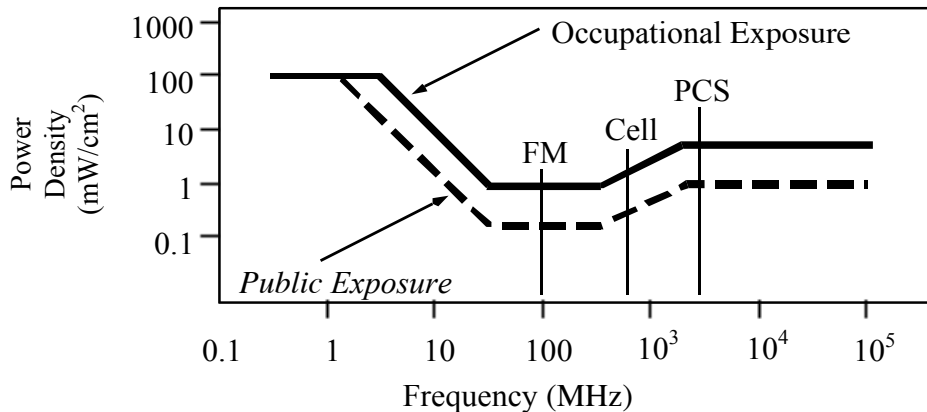


FCC Radio Frequency Protection Guide

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.



RFR.CALC™ Calculation Methodology

Assessment by Calculation of Compliance with FCC Exposure Guidelines

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 maximum permissible exposure limits adopted by the FCC (see Figure 1) 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. 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.

Near Field.

Prediction methods have been developed for the near field zone of panel (directional) and whip (omnidirectional) antennas, typical at wireless telecommunications base stations, as well as dish (aperture) antennas, typically used for microwave links. The antenna patterns are not fully formed in the near field at these antennas, and the FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) gives suitable formulas for calculating power density within such zones.

For a panel or whip antenna, power density $S = \frac{180}{\theta_{BW}} \times \frac{0.1 \times P_{net}}{\pi \times D \times h}$, in mW/cm²,

and for an aperture antenna, maximum power density $S_{max} = \frac{0.1 \times 16 \times \eta \times P_{net}}{\pi \times h^2}$, in mW/cm²,

where θ_{BW} = half-power beamwidth of antenna, in degrees,

P_{net} = net power input to antenna, in watts,

D = distance from antenna, in meters,

h = aperture height of antenna, in meters, and

η = aperture efficiency (unitless, typically 0.5-0.8).

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

Far Field.

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

power density $S = \frac{2.56 \times 1.64 \times 100 \times RFF^2 \times ERP}{4 \times \pi \times D^2}$, in mW/cm²,

where ERP = total ERP (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.

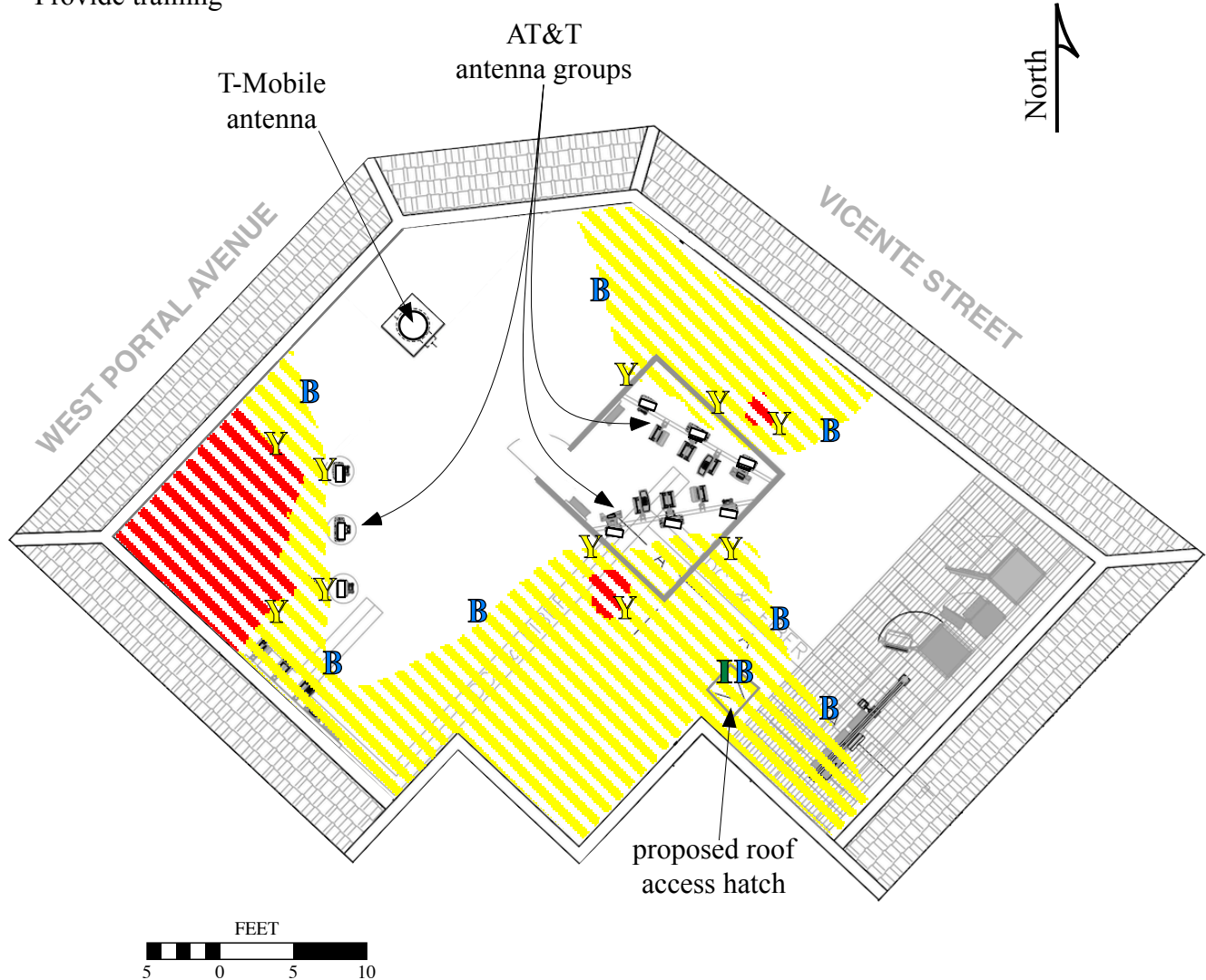
The factor of 2.56 accounts for the increase in power density due to ground reflection, assuming a reflection coefficient of 1.6 (1.6 x 1.6 = 2.56). The factor of 1.64 is the gain of a half-wave dipole relative to an isotropic radiator. The factor of 100 in the numerator converts to the desired units of power density. This formula is used 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 also 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.

**AT&T Mobility • Base Station No. CCL02102
 37 Vicente Street • San Francisco, California
 FA No. 10101864, USID No. 47421, PA No. 3701A0EA65**

Calculated Cumulative RF Exposure Levels on Roof

Recommended Mitigation Measures for AT&T

- Lock roof access hatch
- Stripe roof areas as shown
- Post explanatory signs
- Provide training



Notes: See text.

Base image from drawing by Pramira Architectural & Engineering Services, dated January 8, 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





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: 37 Vicente St

Site ID: 50 SiteNo.: CCL02102 Report Dated: 3/2/2021

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: 3

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: 20770 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: 98 %

Distance to this nearby building or structure: 75 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: 0.2 mW/cm² Maximum RF Exposure Percent: 26 %

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: 95

Occupational Exclusion Area

Occupational Exclusion In Feet: 36

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 3 antennas existing operated by AT&T Wireless and T-Mobile installed on the roof top of the building at 37 Vicente 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 9 new antennas and remove 2 existing antennas. The antennas are mounted at a height of 42 feet above the ground and 9 feet above the roof. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.2 mW/sq cm., which is 26 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 95 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 36 feet of the front of the antennas while they are in operation. There is no roof access presently installed; it is recommended that the roof access hatch proposed by AT&T be kept locked, so that the antennas are not accessible to unauthorized persons. Measurements shall be conducted at 48 Vicente Street when construction is complete, in order to confirm that actual exposure levels there do comply with the FCC public exposure limits.

 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: 6/30/2021

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 Radio Frequency Statement
37 Vicente Street, San Francisco, CA

STATEMENT OF MICHAEL CANIGLIA

I am the AT&T radio frequency engineer assigned to the proposed wireless communications facility at 37 Vicente Street, San Francisco, CA (“Property”). Based on my personal knowledge of the Property and with AT&T’s wireless network, as well as my review of AT&T’s records with respect to the Property and its wireless communications facilities in the surrounding area, I have concluded that the work associated with this permit request is needed to close a significant service coverage gap in an area roughly bordered by Ulloa Street to the north, Santa Clara Avenue to the east, 15th Avenue to the south, and 14th Avenue to the west.

The service coverage gap is caused by inadequate infrastructure in the vicinity of the Property. As explained further in Exhibit 1 and below, existing sites do not provide sufficient in-building service in the gap area. The proposed facility is necessary to improve signal strength and signal quality in the area, which will improve overall coverage and increase data rates necessary for customers to receive consistently reliable wireless service. Any areas that do not meet these minimal standards represent a service coverage gap that must be closed. The proposed facility will also help to offload network traffic carried by existing nearby facilities during current and future peak demand periods.

In addition to improving overall coverage, increasing data speed is critical to providing the mobile experience customers demand and to manage the unprecedented increase in mobile data usage on AT&T’s network. AT&T estimates that since introduction of the iPhone in 2007, mobile data usage has increased 470,000% on its network. AT&T forecasts its customers’ growing demand for mobile data services to continue. The increased volume of data travels to and from customers’ wireless devices and AT&T’s wireless infrastructure over limited airwaves — radio frequency spectrum that AT&T licenses from the Federal Communications Commission (“FCC”).

AT&T uses industry standard propagation tools to identify the areas in its network where signal strength is too weak to provide reliable in-building service quality. This information is developed from many sources including terrain and clutter databases, which simulate the environment, and propagation models that simulate signal propagation in the presence of terrain and clutter variation. AT&T designs and builds its wireless network to ensure customers will receive reliable in-building service quality. This level of service is critical as customers increasingly use their mobile phones as their primary communication devices. More than two-thirds of American households primarily rely on wireless

services for their communications needs) and rely on their mobile phones to do more (E911, video streaming, GPS, web access, text, etc.). In fact, the FCC estimates that 70% of 911 calls are placed by people using wireless phones. And with AT&T's selection by the federal First Responder Network Authority, FirstNet, as the wireless service provider to build and manage the nationwide first responder wireless network, each new or modified facility will enhance its capability to strengthen first responder communications.

Exhibit 2 is a map of the existing LTE service coverage (without the proposed installation at the Property) in the area at issue. It includes LTE service coverage provided by existing AT&T sites. The green shaded areas of the map depict acceptable in-building coverage. In-building coverage means customers are able to place or receive a call on the ground floor of a building. The yellow shaded areas depict areas within a signal strength range that provide acceptable in-vehicle service coverage. In these areas, an AT&T customer should be able to successfully place or receive a call within a vehicle. The blue shading depicts areas within a signal strength range in which a customer might have difficulty receiving a consistently acceptable level of service. Any unshaded areas of the map are areas where the signal strength does not meet the outdoor signal level threshold. The quality of service experienced by any individual customer can differ greatly depending on whether that customer is indoors, outdoors, stationary, or in transit. Any area in the yellow, blue, or unshaded category is considered inadequate service coverage and constitutes a service coverage gap.

Exhibit 3 to this Statement is a map that predicts LTE service coverage based on signal strength in the vicinity of the Property if antennas are placed as proposed in the application. As shown by this map, placement of the equipment at the Property closes the significant service coverage gap.

My conclusions are based on my knowledge of the Property and with AT&T's wireless network, as well as my review of AT&T's records with respect to the Property and its wireless telecommunications facilities in the surrounding area. I have a B.S.E.E. Degree in Electrical Engineering from the University of California, Davis, and have worked as an RF engineer in the wireless communications industry for more than 25 years.



Michael Caniglia
AT&T Mobility Services LLC
Network, Planning & Engineering
RAN Design & RF Engineering
April 2020



HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
BROADCAST & WIRELESS

WILLIAM F. HAMMETT, P.E.
RAJAT MATHUR, P.E.
ROBERT P. SMITH, JR.
ANDREA L. BRIGHT, P.E.
NEIL J. OLIJ, P.E.
MANAS REDDY, P.E.
BRIAN F. PALMER
M. DANIEL RO

ROBERT L. HAMMETT, P.E.
1920-2002
EDWARD EDISON, P.E.
1920-2009

DANE E. ERICKSEN, P.E.
CONSULTANT

BY E-MAIL KRISTY.ANDRES@ERICSSON.COM

June 3, 2020

Ms. Kristy Andres
Ericsson
6140 Stoneridge Mall Road, Suite 350
Pleasanton, California 94588

Dear Kristy:

As requested, we have conducted the review required by the City of San Francisco of the coverage maps that AT&T Mobility will submit as part of its application package for proposed modifications to its base station located at 37 Vicente Street (Site No. CCL02102). This is to fulfill the submittal requirements for Planning Department review.

Executive Summary

We concur with the maps provided by AT&T. The maps provided to show the before and after conditions represent the carrier's present and post-installation coverage.

Based on information provided by AT&T, including construction drawings by NuWave Communications, Inc., dated February 6, 2019, that carrier presently has two omnidirectional "whip" antennas installed on the west side of the two-story mixed-use building located at 37 Vicente Street in San Francisco. AT&T proposes to remove its omnidirectional antennas and to install nine CommScope directional panel antennas – six Model JAHH-65A and three Model NNHH-65A – on short poles above the roof. The nine antennas would employ up to 18° downtilt, would be mounted at an effective height of about 42 feet above ground, 9 feet above the roof, and would be oriented in identical groups of three toward 30°T, 170°T, and 270°T. The maximum effective radiated power in any direction would be 13,300 watts, representing simultaneous operation at 1,800 watts for WCS, 2,580 watts for AWS, 4,620 watts for PCS, 1,090 watts for cellular, and 3,210 watts for 700 MHz service.

Ms. Kristy Andres, page 2
June 3, 2020

AT&T provided for review two coverage maps, dated May 26, 2020,* attached for reference. The maps show AT&T's 4G LTE 700 MHz coverage in the area before and after the proposed modifications to the site. Both the before and after maps show three levels of coverage, which AT&T colors and defines as follows:

Green	Reliable Service Indoors/Outdoors
Yellow	Reliable Coverage In Transit; Indoor Coverage Less Reliable
Blue	Reliable Coverage Outdoors Only; Indoor Coverage Less Reliable

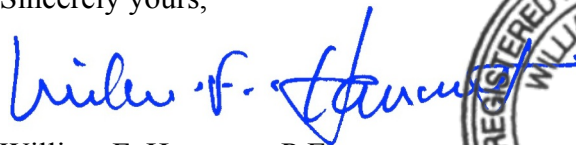
We undertook a two-step process in our review. As a first step, we obtained information from AT&T on the software and the service thresholds that were used to generate its coverage maps. This carrier uses commercially available software to produce the maps. The service thresholds that AT&T uses to are in line with industry standards, similar to the thresholds used by other wireless service providers.

As a second step, we conducted our own drive test, using an Ascom TEMS Pocket network diagnostic tool with built-in GPS, to measure the actual AT&T LTE 4G 700 MHz signal strength in the vicinity of the proposed site. Our fieldwork was conducted on May 11, 2020, between 9:45 AM and 10:55 AM, along a measurement route selected to cover all the streets within the AT&T map area.

Based on the measurement data, we conclude that the AT&T 4G LTE 700 MHz coverage map showing the service area without the proposed modifications includes areas of relatively weak signal levels in the carrier's present coverage. The map submitted to show the after coverage with the proposed modifications was reportedly prepared on the same basis as the map of the existing conditions and so is expected to accurately illustrate the improvements in coverage.

We appreciate the opportunity to be of service. Please let us know if any questions arise on this matter.

Sincerely yours,



William F. Hammett, P.E.

lw

Enclosures

cc: Ms. Alice Lien – BY EMAIL AL2625@ATT.COM



* The original April 10, 2020, maps have been recently re-issued.

Exhibit 2 – Existing LTE 700 Coverage

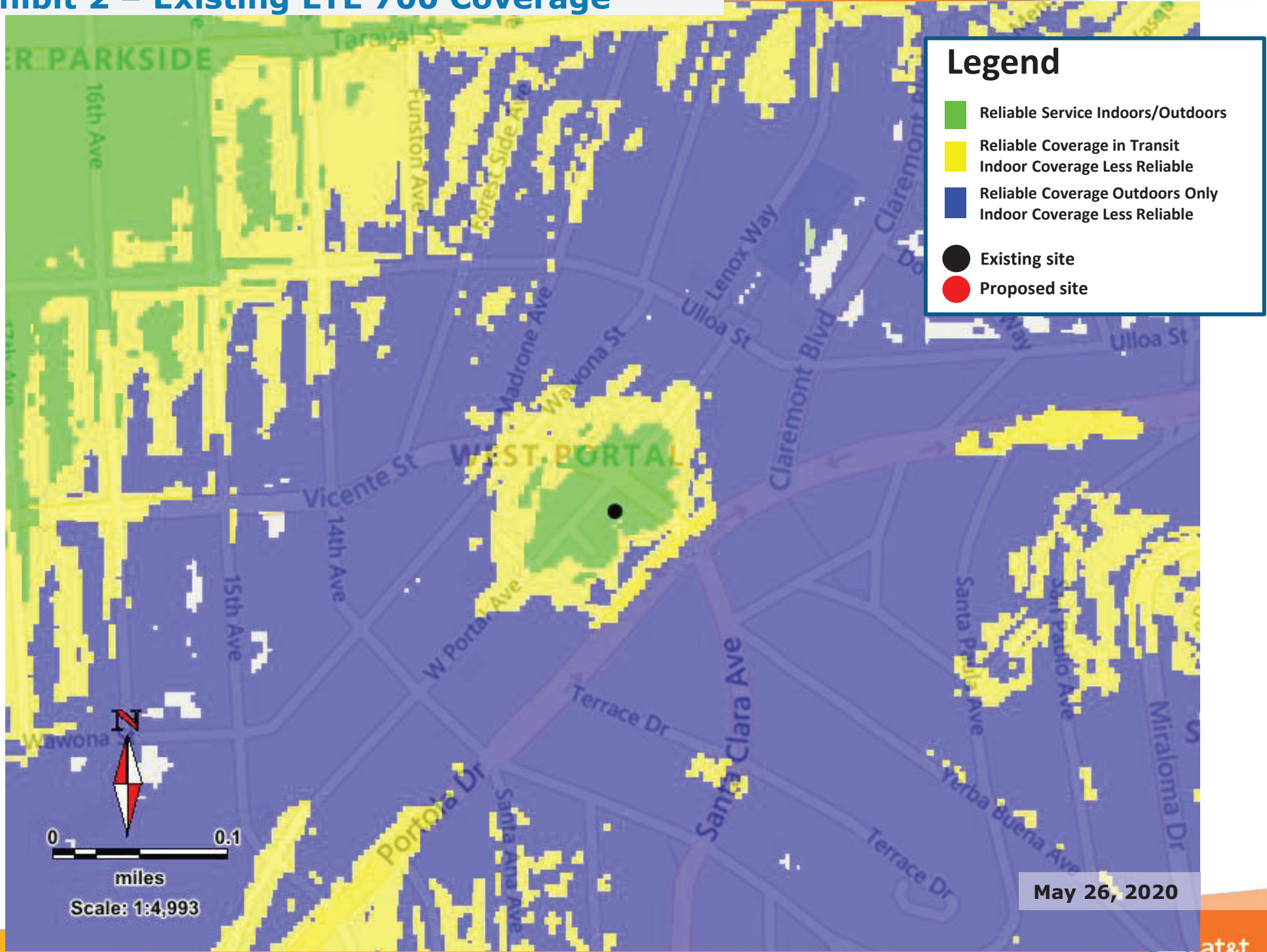
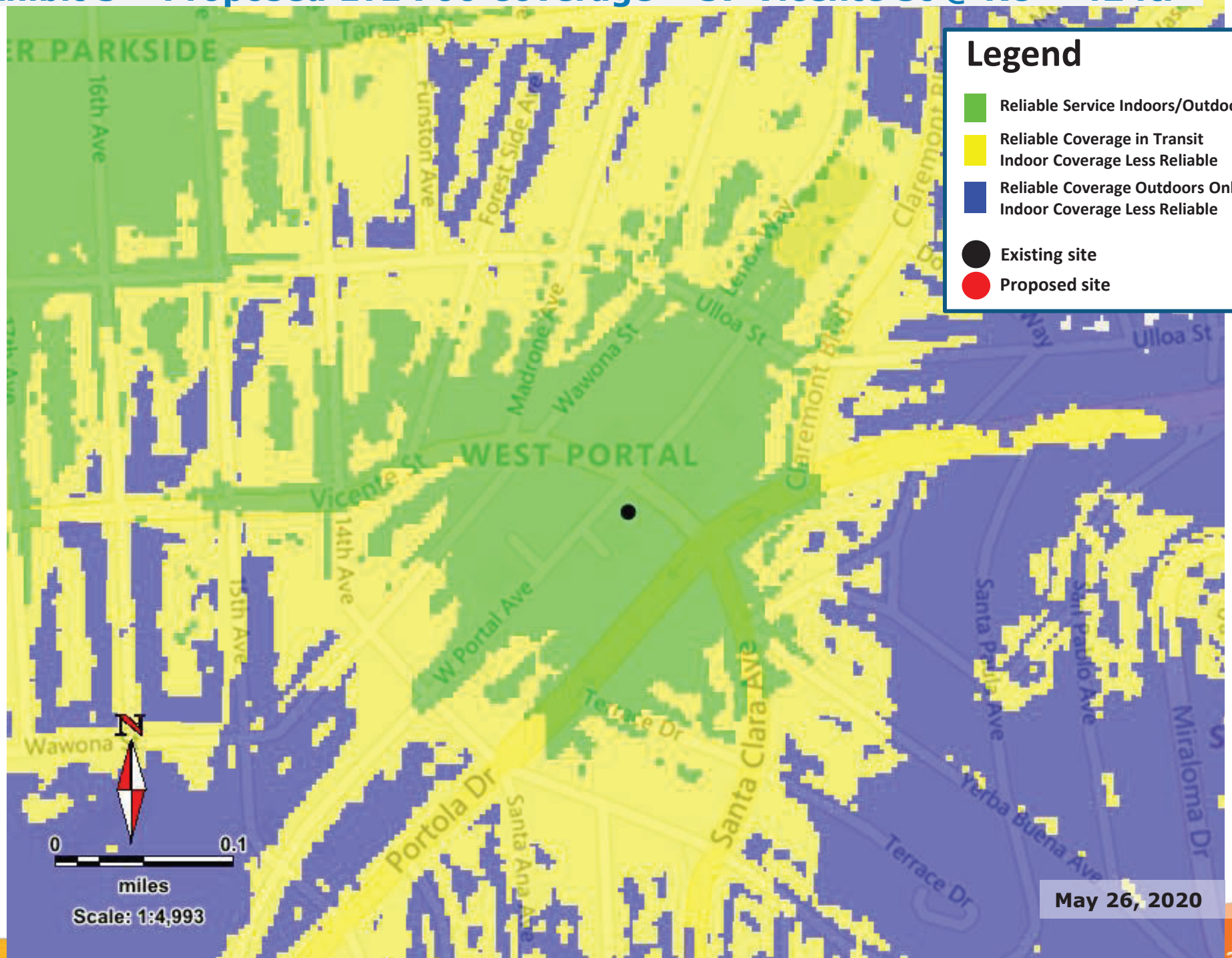


Exhibit 3 – Proposed LTE 700 Coverage – 37 Vicente St @ RC = 42 ft.



Cumulative Effects & Equipment Specifications

Number and Location of Proposed Antennas and Back-up Equipment:

Antennas: Nine (9) panel antennas to be mounted on the roof top within faux vents.

Equipment: One (1) equipment cabinets and Two (2) battery back-up cabinet to be located on the roof top.

Dimensions of Proposed Antennas and Back-up Equipment:

Antenna array: 3 panel antennas approximately 55.1" tall x 19.6" wide x 7.8" deep

6 panel antennas approximately 55.1" tall x 14.1" wide x 8.2" deep

Base station: 1 cabinet approximately 56" tall x 24" wide x 56" deep

Battery back-up: 1 cabinet approximately 72" tall x 36" wide x 36.79" deep

Height of Proposed Facility"

Top of antennas: ±44' - 4"

Top of faux vents: ±46' - 0"

Height of building (parapet): ±38' - 0"

Height of building (roof top) ±33' - 2"

Height limit of district: 65'

List of Facilities per Building

The proposed AT&T Mobility facility.

Power Rating for Proposed Base Station

Power and Telco is supplied via basement power and telco panel..

Method of Attachment/ Screening

The nine (9) proposed panel antennas would be mounted on the roof top of an existing building within faux vents. The associated equipment cabinets would be located on the roof top.

Location Preference

The property is a commercial building in the West Portal Neighborhood Commercial District. According to the City and County of San Francisco's Wireless Telecommunications Services Facilities Siting Guidelines, dated August 15, 1996 the subject facility is considered to be a Preference 6 location.

Preference Level 6 locations are defined as follows: *Limited Preference Sites: Buildings located in the following zoning districts are Limited Preference Sites: Individual Neighborhood Commercial Districts (NCDs) subject to Sections 714.1 through 729.1 and 781.1 through 781.7 of the Planning Code, NC-1 Districts, and RM-4 Districts. The Planning Commission will not approve applications for such 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 location (i.e. Paragraphs 1 through 5 above); (c) why such efforts were unsuccessful; and (d) how and why the proposed site is essential to meet service demands for the geographic service area and the Applicant's citywide network.*

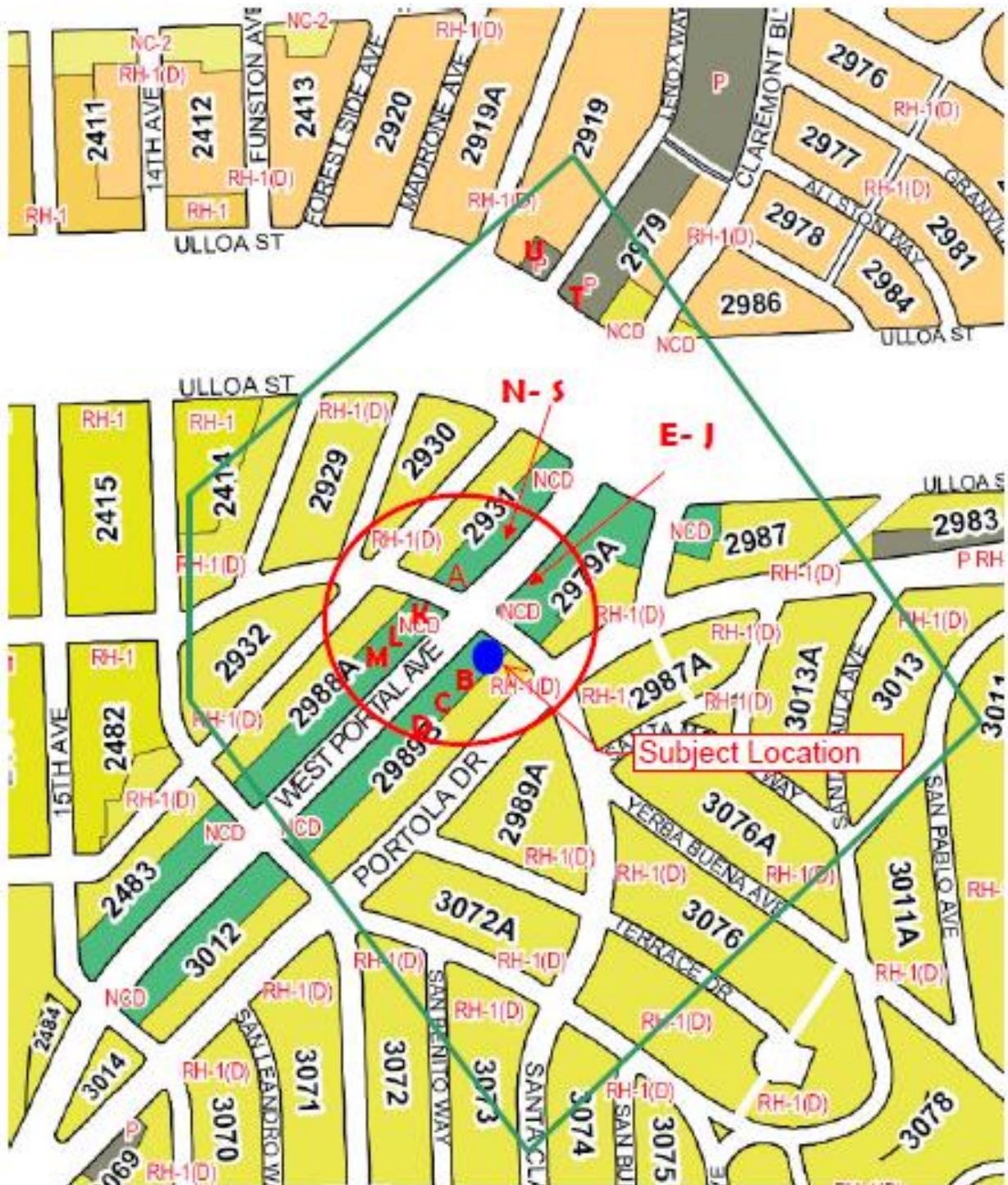
Site Justification

In order to achieve the service goals as previously defined, AT&T network engineers considered site locations in the area defined by the search ring in the previously attached Service Map. The subject parcel is located within a commercial area of West Portal where there are variations in commercial uses, architecture, size and scale. The proposal is designed to utilize the existing vertical features of the building; therefore, the proposed wireless communication facility does not have an impact on existing street views, and is compatible with the existing character, scale, and massing of the surrounding neighborhood. The proposed antennas would be located within a combination of radio frequency transparent screen walls and a faux vent pipe so that they are completely screened from view. The screen walls and vent pipe would be painted to match the building. The equipment cabinets would be located within an equipment roof inside the subject building. Please refer to the attached photo simulations.

Alternative Site Locations

In order to achieve the service goals as previously defined, AT&T network engineers considered site locations in the area defined by the search ring in the previously attached Service Map. The area within the search ring is primarily comprised of buildings used for commercial retail. All of candidates are located within the West Portal NCD (Neighborhood Commercial District) making them all Preference 6 locations under the WTS guidelines. The West Portal NCD is surrounded by residential uses within the RH-1-D (One-Family – Detached Housing) which are considered to be Preference 7 locations. Below is a list of the alternative site locations evaluated by the AT&T network engineers and site acquisition team.

Location	Lot/ Block	Zoning District	Building Use	WTS Siting Preference	Meets Network Objectives	Compatible to Community	Willing Landlord
A) 98 West Portal		West Portal NCD	Wholly Commercial	6	Yes	Yes	No
B) 111-127 West Portal Ave	2989B- 031	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
C) 145 West Portal Ave	2989B- 034	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
D) 157-161 West Portal Ave	2989B- 020	West Portal NCD	Mixed Use	6	No	No (Design)	Unknown
E) 99 West Portal Ave	2979A- 021A	West Portal NCD	Wholly Commercial	6	Yes	Yes	Unknown
F) 75-91 West Portal Ave	2979A- 019	West Portal NCD	Wholly Commercial	6	Yes	Yes	No
G) 69 West Portal Ave	2979A- 023C	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
H) 59-63 West Portal Ave	2979A- 024A	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
I) 49-57 West Portal Ave	2979A- 025	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
J) 41-47 West Portal Ave	2979A- 026	West Portal NCD	Mixed Use	6	Yes	Yes	Unknown
K) 100 West Portal Ave	2988A- 001	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
L) 118-126 West Portal Ave	2988A- 003	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
M) 130-140 West Portal Ave	2988A- 031	West Portal NCD	Wholly Commercial	6	No	No (Design)	Unknown
N) 76-78 West Portal Ave	2931- 008	West Portal NCD	Mixed Use	6	Yes	No (Design)	Unknown
O) 62-70 West Portal Ave	2931- 007	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
P) 54-60 West Portal Ave	2931- 006	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
Q) 44-50 West Portal Ave	2931- 005	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
R) 36-40 West Portal Ave	2931- 004A	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
S) 32 West Portal Ave	2931- 004A	West Portal NCD	Wholly Commercial	6	No	Yes	Unknown
T) West Portal Muni Station	2979- 013A	P	Public	1	No	No	Unknown
U) 900-910 Ulloa / 190 Lenox Way	2919- 031	P	Public	1	No	No	Unknown



- Improved Service Area
- Site Search Area
- A - U** Alternative Site Locations

**Alternative Site Location – A
98 West Portal**



Location A is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. This building was originally pursued by AT&T as a replacement for 37 Vicente Street micro facility. This building meets the network objective of expanding in-building and in-transit coverage and capacity to the proposed geographic service area; however, AT&T and the property owner were not able to come to terms on a lease agreement. Therefore, without lease terms, it was determined that this was not a viable candidate.

**Alternative Site Location - B
111-127 West Portal Avenue**



Location B is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. This alternative is located mid-block and a shorter structure than the Proposed Facility leading to an overall height loss of over 10 feet. If placed on the roof, a facility here would need to extend over 15 feet over the existing roofline which exceeds the permitted height limit for the district and would not be consistent with the existing mass and scale of the building. The building would not provide the necessary line-of-sight which is required in order to meet the defined service objective. Line-of-sight to the north and east is blocked by taller buildings. Inability to provide service to the proposed service area eliminates this candidate as a viable alternative.

**Alternative Site Location – C
145 West Portal Avenue**



Location C is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. This alternative is located mid-block and a shorter structure than the Proposed Facility leading to an overall height loss of over 15 feet. If placed on the roof, a facility here would need to extend over 20 feet over the existing roofline which exceeds the permitted height limit for the district and would not be consistent with the existing mass and scale of the building. The building would not provide the necessary line-of-sight which is required in order to meet the defined service objective. Line-of-sight to the north and east is blocked by taller buildings. Inability to provide service to the proposed service area eliminates this candidate as a viable alternative.

**Alternative Site Location - D
157-161 West Portal Avenue**



Location D is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. The search area is established in locations where the proposed facilities would incorporate into the network. This building is located on the southern edge of the search area. As a result, this building would not be able to provide the desired service to the northern portion of the defined service area. The building has a challenging design with a substantially taller addition at the front of the building and a flat roof in the rear. In order to meet the service objective to the west, the facility would need to be incorporated into the tallest portion of the building along the front façade. The pitched roof and dormer windows make a compatible design infeasible. Therefore, it was determined that this alternative was not a viable candidate within the defined search area.

**Alternative Site Location - E
99 West Portal Avenue**



Location E is located within the West Portal NCD and therefore a Preference 6 Location under the WTS guidelines. The building would not provide the necessary line-of-sight which is required in order to meet the defined service objective. Line-of-sight to the east is partially blocked by the adjacent taller building. Therefore, it was determined that this alternative was not the best candidate within the search area.

**Alternative Site Location - F
75-91 West Portal Avenue**



Location F is a wholly commercial structure located within the West Portal NCD and therefore a Preference 6 Location under the WTS guidelines. There has been no property owner response or interest in leasing a space for a wireless telecommunication facility despite multiple calls, letters and visits to the building to discuss the proposal. Due to lack of owner interest it was determined that this building was not a viable candidate.

**Alternative Site Location - G
69 West Portal Avenue**



Location G is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. This alternative is located mid-block and a shorter structure than the Proposed Facility leading to an overall height loss of over 10 feet. If placed on the roof, a facility here would need to extend over 15 feet over the existing roofline which exceeds the permitted height limit for the district and would not be consistent with the existing mass and scale of the building. The building would not provide the necessary line-of-sight which is required in order to meet the defined service objective. Line-of-sight to the north and east is blocked by taller buildings making this location incapable of filling the service gap. Therefore, it was determined that this alternative was unable to meet the defined service requirements.

**Alternative Site Location –H
59-63 West Portal Avenue**



Location H is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. This alternative is located mid-block and a shorter structure than the Proposed Facility leading to an overall height loss of over 10 feet. If placed on the roof, a facility here would need to extend over 15 feet over the existing roofline which exceeds the permitted height limit for the district and would not be consistent with the existing mass and scale of the building. The building would not provide the necessary line-of-sight which is required in order to meet the defined service objective. Line-of-sight to the north and east is blocked by taller buildings making this location incapable of filling the service gap. The proposed location is on a large corner building that provides a direct line-of-sight to the defined service area that this mid-block building does not. Therefore, it was determined that this alternative was unable to meet the defined service requirements.

**Alternative Site Location - I
49-57 West Portal Avenue**



Location I is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. This alternative is located mid-block and a shorter structure than the Proposed Facility leading to an overall height loss of over 15 feet. The building would not provide the necessary line-of-sight which is required in order to meet the defined service objective. Line-of-sight to the north, south and east is blocked by taller buildings making this location incapable of filling the service gap. If placed on the roof, a facility here would need to extend over 20 feet over the existing roofline which exceeds the permitted height limit for the district and would not be consistent with the existing mass and scale of the building. Inability to provide service to the proposed service area eliminates this candidate as a viable alternative.

**Alternative Site Location - J
41-47 West Portal Avenue**



Location J is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. The existing wireless sites were approved by the San Francisco Planning Department as an accessory use; therefore, the facility is not considered to be eligible as a co-location according to the WTS guidelines. According to Section 729.83 of the Zoning Ordinance under the zoning controls for the West Portal NCD zoning district, wireless telecommunication facilities (Public Uses) are not permitted above the second floor. This is a three-story commercial building and as a result a roof-mounted wireless telecommunication facility above the third floor was determined by the San Francisco Planning Department as not permitted. Therefore, it was determined that this alternative was not a viable candidate for the proposed wireless telecommunication facility.

**Alternative Site Location - K
100 West Portal Avenue**



Location K is located within the West Portal NCD and therefore a Preference 6 Location under the WTS guidelines. This building appears suitable for a wireless telecommunication facility as it appears able to meet the network objective of expanding in-building and in-transit coverage and capacity to the proposed geographic service area; however, the construction and architectural design of the Proposed Location provides a better opportunity to incorporate a wireless telecommunication facility. Therefore, it was determined that this alternative was not the best candidate within the search area.

**Alternative Site Location –L
118-126 West Portal Avenue**



Location L is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. The search area is established in locations where the proposed facilities would incorporate the network. The building is located on the southern edge of the search ring limiting its line-of-sight to the northern portion of the defined service area as line of site is blocked by a neighboring building. The location of the building mid-block does not provide as superior coverage and as the Proposed Location at 98 West Portal Avenue. Therefore, it was determined that this alternative was not the most suitable candidate within the defined search area.

**Alternative Site Location –M
130-140 West Portal Avenue**



Location M is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. This alternative is located mid-block and a shorter structure than the Proposed Facility leading to an overall height loss of over 15 feet. The building would not provide the necessary line-of-sight which is required in order to meet the defined service objective. Line-of sight to the north is blocked by taller buildings making this location incapable of filling the service gap. If placed on the roof, a facility here would need to extend over 20 feet over the existing roofline which exceeds the permitted height limit for the district and would not be consistent with the existing mass and scale of the building. Inability to provide service to the proposed service area eliminates this candidate as a viable alternative.

**Alternative Site Location - N
76-78 West Portal Avenue**



Location N is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. The height and location of this building appears suitable for a wireless telecommunication facility. However, the building's architecture (steeply pitched roof, peaks of varying depth) does not provide an opportunity to incorporate the proposed wireless communication facility with minimal visual impact. In addition, the building is set back on the lot from the street, which results in a more limited line-of-sight to the defined search area. Therefore, it was determined that this alternative was not the most suitable candidate within the defined search area.

**Alternative Site Location – O
62-70 West Portal Avenue**



Location O is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. The building would not provide the necessary line-of-sight which is required in order to meet the defined service objective. Line-of-sight to the south and southwest is blocked by taller buildings making this location incapable of filling the service gap. Inability to provide service to the proposed service area eliminates this candidate as a viable alternative.

**Alternative Site Location - P
54-60 West Portal Avenue**



Location P is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. This is a small one-story, mid-block building and would only be able to provide a limited line-of-sight to the north and south which is required in order to meet the defined service objective. The proposed location in a large corner building that provides a direct line-of-sight to the defined service area that this mid-block building does not. Therefore, it was determined that this alternative was unable to meet the defined service requirements.

**Alternative Site Location - Q
44-50 West Portal Avenue**



Location Q is located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. This is a small one-story, mid-block building and would only be able to provide a limited line-of-sight to the north and south which is required in order to meet the defined service objective. The proposed location in a large corner building that provides a direct line-of-sight to the defined service area that this mid-block building does not. Therefore, it was determined that this alternative was not the most suitable candidate within the defined search **area**.

**Alternative Site Location – R and S
36-40 and 32 West Portal Avenue**



Locations R and S are located within the West Portal NCD, a Preference 6 Location under the WTS guidelines. The search area is established in locations where the proposed facilities would incorporate the network. The building is located on the northern edge of the search ring limiting its line-of-sight to the southern and southeastern portion of the defined service area. Both of these locations are small one-story, mid-block buildings and that would only be able to provide a limited line-of-sight to the north and south which is required in order to meet the defined service objective. The proposed location is a large corner building that provides a direct line-of-sight to the defined service area that this mid-block building does not. Therefore, it was determined that these locations were not the most suitable candidates within the defined search area.

**Alternative Site Location - T
West Portal Muni Station (Block: 2979 Lot: 013A)**



Location T is located within the P (Public) zoning district and therefore a Preference 1 Location under the WTS guidelines. This parcel is occupied by the West Portal Avenue Muni Station and is located outside of the defined search area; however, it was evaluated due to its consideration as a Preferred Location. The design of this structure with the series of awnings serving as the roof does not provide a suitable location for the antennas to incorporate into the building. A wireless facility at this location would need to extend above the Muni lines to prevent interference with the radio frequency signal. Therefore, it was determined that this was not a viable candidate.

**Alternative Site Location – U
900-910 Ulloa Street / 190 Lenox Way**



Location U is located within the P (Public) zoning district and therefore a Preference 1 Location under the WTS guidelines. This building is occupied by the San Francisco Public Library – West Portal Branch and is located outside of the defined search area; however, it was evaluated due to its consideration as a Preferred Location. The building’s architectural style and red clay roof does not provide an opportunity to incorporate the proposed wireless communication facility with minimal visual impact. In addition, the building’s location outside of the search ring does not provide the necessary line-of-sight to the defined search area. Therefore, it was determined that this was not a viable candidate.