CITY OF AGOURA HILLS

PLANNING DEPARTMENT

ACTION DATE:	August 22, 2019
TO:	Zoning Administrator
APPLICANT:	Eukon Group for AT&T Mobility 65 Post, Suite 1000 Irvine, CA 92618
CASE NO.:	WIRE-01610-2019
LOCATION:	5126 Clareton Drive (A.P.N. 2048-011-024)
REQUEST:	Request for approval of a Minor Wireless Telecommunications Facility Permit/Conditional Use Permit to remove, replace, and/or add antennas, and related accessory equipment proposed on the roof and within an equipment room of an industrial building located in the Business Park-Manufacturing-Freeway Corridor Overlay zone (BP-M-FC).
ENVIRONMENTAL DETERMINATION:	Categorically Exempt under CEQA per Section 15303.
RECOMMENDATION:	Staff recommends approval of Wireless Telecommunications Facility/Conditional Use Permit Case No. WIRE-01328-2017, subject to conditions, based on the findings of the attached Draft Resolution.
ZONING DESIGNATION:	BP-M-FC (Business Park-Manufacturing-Freeway Corridor Overlay District)
GENERAL PLAN DESIGNATION:	Business Park - Manufacturing

I. PROJECT BACKGROUND AND DESCRIPTION

Eukon Group, an authorized representative for AT&T Mobility for the purpose of obtaining necessary entitlements, has applied for a Modification to a Minor Wireless Telecommunications Facility Permit/Minor Conditional Use Permit to modify a wireless telecommunications facility. The facility is constructed on an industrial building located at 5126 Clareton Drive, half a mile east from Kanan Road, and three hundred and fifty feet north of the 101 Freeway corridor's boundary. The project site is zoned Business Park-Manufacturing–Freeway Corridor (BP-M-FC).

In November 1994, the Planning Commission approved a Conditional Use Permit (Case No. 94-CUP-005) submitted by LA Cellular to install one whip antenna and two (2) microwave dish antennas on the northeast and southeast corners of the roof of the existing building, and accessory equipment in an equipment room on the second floor of the same building. In 2005, another Conditional Use Permit (Case No. 04-CUP-004) proposed by AT&T, was approved by the Planning Commission to install twelve (12) roof-mounted antennas, opposite the first installation at the southwest and northwest corners of the building roof with new radio frequency emission transparent screens. The accessory equipment was placed in the same equipment room. In 2017, Eukon Group, on behalf of AT&T, received an approval for a Minor Modification to that installation only, and replaced twelve (12) antennas (four in three (3) different sectors) and associated equipment both on the roof and in the equipment room.

A Minor Conditional Use Permit was the appropriate permit because the site is located in the BP-M-FC zone per Section 9661.5.A.1.a of the Ordinance. Minor Conditional Use Permits are approved by the Planning Director, also referred to as Zoning Administrator, at an administrative hearing. The current request is to modify the minor conditional use permit, which can also be approved at an administrative hearing.

In this application, AT&T requests to remove and replace six (6) of the twelve antennas with six (6) new panel antennas of the three sectors on the west side of the roof behind an opaque screen made out of a Radio Frequency (RF) transparent material. The new antenna is a more efficient technology, which will replace the Powerwave antenna and will also supplement the other two existing types of antennas. The equipment includes the following:

- The two (2) existing Powerwave RA-21.7750 Dual-band antennas (63 inches x 11 inches x 4 inches) will be replaced by:

- Two (2) new Quintel QS4658-3e Multiband 8 port antenna (52 inches x 12 inches x 9 inches)

The existing antennas will remain:

- (E) One (1) CCI-HPA-65R-BUU-H4-K Hex-Port multi-band antenna
  (48.4 inches x 14.8 inches x 9.4 inches)
- (E) One (1) Kathrein – 800 – 10864K
  (55.2 inches x 14.8 inches x 4 inches)

The following related equipment is proposed on the rooftop:

- New metal brackets to support the additional equipment listed below. The brackets are behind the RF screens and will be covered entirely by the screen.
- Three (3) new Remote Radio Units - RRUs-32 B66
- Three (3) new Remote Radio Units - RRUs-E2
- Three (3) new Remote Radio Units - RRUs-44778 B14

The following is proposed in the equipment room on the second floor of the building:

- One (1) Ericsson Baseband BBU 5216 (1.22”x11”x13.78”), which provides switching, traffic management, timing, baseband processing, and radio interfacing.
- One (1) Ericsson Baseband XMU (1.22”x13.8”x11”), which is a microprocessor based, voice announcement and call processing system.
- One (1) RBS 6601 V2 chassis (2.6”x19”x14”), which provides power on demand.
- One (1) power plant with 13 new rectifiers, which “straightens” the direction of the current with four (4) converters, and twelve (12) new batteries (22”x4.9”x12.50” each)
- One (1) new battery cabinet with (12) new batteries (22”x4.9”x12.50” each)

Finally, a new COMMSCOPE – HPA-107-P3A/B drum antenna (50.8 inch diameter x 29.5 inch deep), which was installed as an emergency antenna on the east side of the roof, will be removed as well as an omni (whip) antenna as shown on the plans.

II. STAFF ANALYSIS

Per the Wireless Telecommunications Ordinance (“Ordinance”), and based on the project scope of work, this application falls under the Tier I review process whereby the Director can review an amendment to a Minor Conditional Use Permit.

The primary function of the existing two-story building is general manufacturing use. The applicant is proposing to modify the existing wireless telecommunications facility by upgrading the antennas and accessory equipment. The antennas currently serve three “sectors” (separate locations on the building, each with a directional antenna situated toward a specific coverage area). The new antennas would serve the same sectors. One important requirement of the Ordinance that was considered when reviewing the previous application was the need to camouflage the antennas. The same requirement applies to this modification.

A. Site Plan and Buildings

The previous installation required that screens be built as tall as the antennas so as to conceal them from public view since the antennas extended beyond the highest point of the roof parapet wall. The same screen design was required at all four corners of the building for the sake of architectural symmetry. The screen wall was built from an RF-transparent material mounted on top of the parapet wall bordering the flat roof. The screen extended between 22 and 36 feet at its longest point by 5 feet 6 inches high at

its highest point above the parapet wall. Replacing the antennas using the same screening installation methods would comply with Section 9661.5.B. of the Ordinance, as the antennas would be camouflaged. All twelve antennas, including the new antennas, vary in size from forty-eight and four decimal (48.4") inches high, by fourteen and eight decimal (14.8) inches wide, by nine and four decimal (9.4") inches deep and fifty-five and two decimal (55.2") inches high, by fourteen and eight decimal (14.8) inches wide, by six and seven decimal (6.7") inches deep. All twelve (12) antennas would be secured to the roof in the same manner as existing, and screened by the same parapet wall.

The antennas require accessory equipment in proximity to each unit for a best performance, and also in an equipment room on the second floor of the building. Included in the scope of work is a new metal frame, which is located behind the RF emission screen, to which the units are attached, and anchored to the roof. A stronger structure is required to support the added weight of both the antennas and the equipment. The roof-mounted equipment and the equipment room will continue to be accessible by authorized personnel only.

B. Architectural Design

The following paragraphs describe the project's consistency with the design and development standards of the Ordinance (Section 9661.5.B).

The five-foot tall vertical panels placed above and attached to the parapet walls that were required to be built per the previous wireless telecommunications facility are in good condition and continue to comply with Section 9661.5.B.1, as they appear as an extension of the building facade. The selected paint color matches the tilt-up concrete façade of the building and helps the screens to further blend in the building. Some of the additional accessory equipment used to control the antennas will be screened from public view by the same parapet wall in all three sectors, and the rest of the equipment will be located in the equipment room on the second floor, away from the public access and visibility. Furthermore, the line-of-sight of the building roof from adjacent parcels is screened by vegetation include tall, mature trees.

C. Noise

The applicant submitted a noise study and the report concludes that the new facility would not generate noise that could potentially impact the public outside and the work environment inside the building. No backup generator is proposed. The project is conditioned not to be audible at the property line of any residential property and also not to exceed an exterior noise level of fifty-five (55) dBA at the facility's property line. Based on the information provided, the project is consistent with Section 9661.5.B.11 of the Ordinance.

D. Conditional Use Permit:

In order for a Conditional Use Permit to be approved, the applicant must demonstrate compliance with all six (6) of the Conditional Use Permit findings, as well as all four (4)

of the wireless telecommunication facilities specific findings specified in the Zoning Ordinance in Section Nos. 9673.2.E and 9661.7. The findings and a determination of consistency with the findings is provided in the Draft Resolution (Attachment B). The following is a summary

The proposed use is consistent with the objectives of the Zoning Ordinance and the purposes of the district in which the use is located. Wireless telecommunications facilities are allowed in the Business Park Manufacturing – Freeway Corridor Overlay zone subject to the issuance of a Minor Conditional Use Permit. The stated purpose of the Freeway Corridor Overlay District is to protect the City's image and to promote development compatible with the City's character. The roof-mounted antennas will continue to be screened with an RF emission-transparent material decorative wall, textured and painted to match the existing façades of the building. The facilities' dimensions and locations on the building would be consistent with the provisions of the Ordinance for commercial buildings. The accessory equipment would be located partly behind the screen and partly on the second floor in an equipment room, and not visible or accessible to the public. The proposed use is compatible with the surrounding properties because it is a secondary use to an existing industrial building, like the other buildings in the same zone. There are existing commercial uses to the east, west and north of the site, and the facility does not interfere with the business activities conducted in the subject building, nor surrounding businesses. Per the applicant and the City's Telecommunications Consultant, the conditions under which the facility would be operated or maintained will not be detrimental to the public health, safety, or welfare based on the Federal Communication Commission (FCC) guidelines and regulations, particularly the RF emissions. Additionally, wireless telecommunications facilities must be built in compliance with the City's Building Code, and are subject to inspection by the City's Building Department to ensure they are constructed in a safe manner. Per the conditions of approval, the applicant agrees to continued compliance with the FCC emission thresholds and the City's Building Code.

Wireless telecommunications facilities are allowed in the Business Park- Manufacturing – Freeway Corridor Overlay zone, subject to the issuance of a Minor Conditional Use Permit. Each of the proposed antennas, as well as the accessory equipment, will comply with the applicable provisions of the Zoning Ordinance relative to the use, the property location, and the facility dimensions and appearance. The antennas and ancillary equipment will be either screened or placed in an existing equipment room and no expansion of the existing building area is proposed. Although the building hosts different types of equipment, the proximity of the building to the freeway, and the elevation of the building pad, with very little obstacles to block transmission of waves, provides a suitable environment for locating a wireless telecommunication facility. Over the years, other facilities have been approved on other commercial buildings at a considerable distance from the subject building. Therefore, the project will not contribute to the overcrowding of similar uses. With the proposed design, the facilities would remain shielded from public view and would not contribute to visual over-concentration of similar uses. As such, the proposed use is consistent with the goals and policies of the General Plan with respect to wireless telecommunication facilities.

E. General Plan Consistency

Staff finds the project will be consistent with the following applicable General Plan goals and policies:

Goal U-6: Telecommunication System. Quality communication systems that meet the demands of new and existing developments in the City.

The project will provide quality communications systems to meet the demands of existing developments and motorists in the City by upgrading the technology of the existing facility.

Policy U-6.1: Access and Availability. Work with service providers to ensure access to and availability of a wide range of state-of-the-art telecommunications systems and services for households, businesses and institutions throughout the City.

The project will provide state-of-the-art wireless telecommunication services by extending coverage and adding capacity with minimal equipment installation.

Policy U-6.2: Design and Siting of Facilities. Require that the installation of telecommunications infrastructure, such as cellular sites and towers, be designed in a manner to minimize visual impacts on the surrounding environment and neighborhood, and to be as unobtrusive as possible.

The proposed panel antennas will be behind a screen or existing wall matching the building, along with ancillary equipment, and will not be visible from public view. Other accessory equipment will be located within an equipment room away from pedestrian circulation and visibility.

F. Wireless Telecommunication Facilities Findings:

In addition to the Conditional Use Permit findings, the Zoning Administrator must make the following wireless telecommunications facilities findings per Section 9661.7 of the Ordinance. The Draft Resolution lists the specific findings and contains support for the findings. The following is a summary.

The proposed facility has been designed and located in compliance with all applicable provisions of the Ordinance, Section 9661. The wireless use remains secondary to the main commercial use on this parcel and is permitted in this zone with an approved amendment to a minor conditional use permit. The wireless telecommunications facility remains incorporated into the architecture of the building, behind a screen at each corner of the building roof, which will be completely invisible to public view. The proposed facility has been designed and located to achieve compatibility with the community. The associated equipment will be installed in an equipment room inside the building and out of public view. The service carrier and the applicant on behalf of the carrier have demonstrated that they are permitted to install and operate such a service

as demonstrated in the Supplemental Application for wireless telecommunications facilities.
The facility is not expected to generate noise above the existing exterior noise level of fifty-five (55) dBA three feet from the noise source, which could be excessive, annoying, or be detrimental to the public health, safety, and welfare particularly to residentially zoned properties and/or sensitive uses within 500 feet from the project location.

G. Environmental Review

The project has been reviewed pursuant to the California Environmental Quality Act (CEQA), and has been determined to be Categorically Exempt from the CEQA Guidelines per Section 15303. This exemption includes the construction of accessory structures. No significant environmental impacts are expected from the development of this project, since it is located on or within an existing building. No exception to this categorical exemption applies as set forth in Section 15300.2 of the CEQA Guidelines, including but not limited to, subsection (c) which relates to unusual circumstances that could have a significant effect on the environment.

IV. RECOMMENDATION

Based on the findings of the attached resolution, staff recommends that the Zoning Administrator approve Wireless Telecommunications Facility/Conditional Use Permit Case No. WIRE-01610-2019, subject to the attached conditions of approval.

V. ATTACHMENTS

A. Vicinity/Zoning Map
B. Draft Resolution of Approval for the Wireless Telecommunications Facility/Conditional Use Permit with Exhibit A Conditions of Approval
C. Copy of Reduced Plans and Antennas Specifications
D. Photos of the Building

Case Planner: Valerie Darbouze, Associate Planner

ADMINISTRATIVE RESOLUTION NO. 19-___

A RESOLUTION OF THE ZONING ADMINISTRATOR OF THE CITY OF AGOURA HILLS, CALIFORNIA, APPROVING WIRELESS TELECOMMUNICATIONS FACILITY/MINOR CONDITIONAL USE PERMIT CASE NO. WIRE-01610-2019 FOR THE MODIFICATION OF A FACILITY LOCATED AT 5126 CLARETON DRIVE; AND MAKING THE FINDING OF EXEMPTION UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT.

THE ZONING ADMINISTRATOR OF THE CITY OF AGOURA HILLS, CALIFORNIA, HEREBY FINDS, RESOLVES AND ORDERS AS FOLLOWS:

Section I. An application was duly filed by Eukon Group for AT&T Mobility with respect to the real property located at 5126 Clareton Drive (A.P.N. 2048-011-024) for an amendment to an approved wireless telecommunications facility/Conditional Use Permit (Case No. WIRE-01610-2019) to modify an existing wireless telecommunications facility by removing, replacing, and adding antennas and associated equipment on the roof and within an equipment room of an existing industrial building ("Project").

Section II. The Project has been reviewed pursuant to the California Environmental Quality Act (CEQA), and has been determined to be Categorically Exempt from the CEQA Guidelines per Section 15303. This exemption includes the construction of accessory structures. No significant environmental impacts are expected from development of this Project, since it is located on or within an existing building. No exception to this categorical exemption applies as set forth in Section 15300.2 of the CEQA Guidelines, including, but not limited to, subsection (c) which relates to unusual circumstances that could have a significant effect on the environment.

Section III. The Zoning Administrator of the City of Agoura Hills considered a wireless telecommunications facility/minor conditional use permit (Case No. WIRE-01610-2019) at a public administrative hearing held on August 22, 2019, at 6:00 p.m. in the Community Room of City Hall at 30001 Ladyface Court, Agoura Hills, California. Notice of the time, date, place and purpose of the aforesaid was duly given.

Section IV. Evidence, both written and oral, including the staff report and supporting documentation, was presented to and considered by the Zoning Administrator at the aforesaid administrative hearing.

Section V. Conditional Use Permit. Pursuant to Section 9673.2.E. of the Agoura Hills Zoning Ordinance, and based upon the evidence presented at the hearing, including the staff report and oral and written testimony, the Zoning Administrator finds, that:

1. The proposed use is consistent with the objectives of the Zoning Ordinance and the purposes of the district in which the use is located. Wireless telecommunications facilities are allowed in the Business Park Manufacturing – Freeway Corridor Overlay (BP-M-FC) zone subject to the issuance of a minor conditional use permit. An amendment to

such permit, as proposed with the Project, also requires a minor conditional use permit. The stated purpose of the Freeway Corridor Overlay District is to protect the City's visual image and ensure that future development is consistent with the City's character. The roof-mounted antennas will be completely screened with an existing radio frequency (RF) emission-transparent material textured and painted to match the existing façades of the building as well as ancillary equipment. The facility's location on the building would be consistent with the provisions of the Wireless Telecommunications Facilities Ordinance because it is screened and invisible to the public. The accessory equipment will be located on the second floor in an existing equipment room, and not accessible or visible to the public.

2. The proposed use is compatible with the surrounding properties. There are existing commercial/industrial uses surrounding the Project site, and the facility will be placed on an existing industrial building. Associated equipment/supporting structures will be adequately screened from view from Canwood Street and Clareton Drive, as well as from the 101 Freeway, by an existing screen matching the building finishes. In addition, the accessory equipment will be behind the screen, and also contained in the existing equipment room on the second floor of the building. The use is consistent with the BP-M-FC zone, and is appropriate for this commercial area, since the use provides a communication service for neighboring commercial properties, as well as to other properties, and to area motorists. The antennas will not interfere with any of the existing businesses on or around the proposed site, as the antennas are situated on the building roof. Per the Zoning Ordinance Wireless Telecommunications Facilities' Ordinance requirements, the antennas will be sited at least 100 feet away from the nearest residential district.

3. As conditioned, the proposed use and the conditions under which it would be operated or maintained will not be detrimental to the public health, safety, or welfare. Wireless telecommunications facilities are built in compliance with the City's Building Code, and subject to inspection by the City's Building Department to ensure they are constructed in a safe manner. The Federal Communication Commission (FCC) also regulates wireless telecommunications facilities with regard to other related health and safety issues, particularly radio frequency emissions, and establishes thresholds of radio frequency (RF) emissions beyond which a facility cannot exceed. Pursuant to the conditions of approval and the Wireless Telecommunications Facilities Ordinance (Section 9661 et seq), the applicant must demonstrate continued compliance with the FCC emission thresholds, thereby maintaining the public health, safety and welfare.

4. The proposed use will comply with each of the applicable provisions of the Zoning Ordinance. Wireless telecommunications facilities are allowed in the Business Park- Manufacturing – Freeway Corridor Overlay zone, subject to the issuance of a minor conditional use permit. Each of the proposed antennas, as well as the accessory equipment and support structures, will comply with the applicable provisions of the Zoning Ordinance relative to the use, the location, and the facility dimensions and appearance. The locations of the antennas on the building roof and behind screen walls are allowed by the Zoning Ordinance. The ancillary equipment will be placed in an existing equipment room and no expansion of the existing building area is proposed.

5. The distance from other similar and like uses is sufficient to maintain the diversity within the community. The building hosts another wireless telecommunication facility with roof-mounted antennas by the same provider. The proximity of the building to the freeway, and the elevation of the building pad, with very little obstacles to block transmission of waves, provides a suitable environment for locating a wireless telecommunication facility. Over the years, other facilities have been approved on other commercial buildings at a considerable distance from the Project building. In this case, with the proposed design, the facility will remain shielded from public view and will not contribute to visual over-concentration of similar uses.

6. The proposed use is consistent with the goals and policies of the General Plan with respect to wireless telecommunications facilities, particularly with Goal U-6 and Policies U-6.1 and U-6.2. The General Plan seeks quality communication systems that meet the demands of new and existing developments in the City, which this proposed use does by providing improved and state-of-the-art wireless telecommunication. The General Plan requires that the installation of telecommunication infrastructure, such as cellular sites, be designed in a manner as to minimize visual impacts on the surrounding environment and neighborhood, and to be as unobtrusive as possible, which this Project accomplishes by screening the antennas and ancillary equipment and supporting structures behind a solid and opaque wall, and the accessory equipment in an equipment room inside the building.

Section VI. Freeway Corridor. Pursuant to Section 9545.1. of the Agoura Hills Zoning Ordinance, and based upon the evidence presented at the hearing, including the staff report and oral and written testimony, the Zoning Administrator finds that:

1. The Project is compatible with the city's semi-rural character and does not overwhelm the city's low-intensity development style. The Project maintains permanent screen walls around the facility on an existing building so the facility is invisible to the public and maintains the character of the business development consistent with the City's semi-rural character and low-intensity development style.

2. The Project's features and space enhance the site so that the buildings are integral parts of the community fabric. The Project preserves the views of Ladyface Mountain and the Santa Monica Mountains. The building envelope remains as existing with the same height (maximum allowed height of 35 feet) and location (50-foot setback from the south property boundary, which is 15 over the minimum front yard setback) and 400 feet from the freeway corridor, so as to not block views of these resources. The proposed equipment will continue to protect views, as it would be screened behind existing walls and in an equipment room in the building.

3. Parking areas provide safe and convenient access and are landscaped to avoid large expanses of uninterrupted parking surfaces. The Project does not involve the development of a parcel or additional square footage, but rather substituting roof mounted equipment, and therefore would not affect parking, access and/or landscaping.

4. The site design works with the character of the existing terrain and maximizes the preservation of open spaces. The Project does not involve the development of a parcel or additional building square footage, rather the minor modification of an existing roof-mounted and interior wireless telecommunication facility. Therefore, the Project would not affect the terrain or open space, but the Project preserves the views beyond because the equipment does not exceed the maximum allowed height and is screened from public view with permanent screening.

5. The Project design avoids or mitigates significant impacts to sensitive or endangered plants and animals and sensitive plant communities such as oak woodlands or riparian habitat. There are no impacts related to the on- or off-site natural environment since the Project is considered a minor modification to a facility that is partially roof-mounted equipment and partially in the interior of the building, similar to the ministerial approval of modifications to the mechanical equipment that serve the building. All elements of the Project would be located on the existing building roof or within the building dedicated equipment room.

6. The development design conveys the high quality image envisioned in the general plan. Views of the site from the freeway, city gateways, and abutting residential area complement and enhance the city's low intensity and semi-rural character. The Project does not compromise the views from vantage points within City boundaries, as all equipment would be screened by existing walls on the roof or sited within the existing building.

7. The building's facades including the equipment screens are articulated on all sides and are built of non-reflective materials and painted with neutral tones. Variations in roof lines are used to add interest to the structure. The Project does not affect the architecture of the building as no square footage would be added, and all proposed antennas and equipment would be screened by existing building walls.

8. The landscaping compliments the natural setting surrounding the property. The Project does not involve the modification of the on-site landscaping or the introduction of new landscaping, as it is located on the flat roof or interior of an existing building.

9. Traffic, light, noise, and other environmental impacts shall be mitigated to the maximum extent feasible, taking into consideration more than just economic feasibility. The unmanned wireless telecommunication facility does not modify the style and architecture of the existing industrial building and does not add traffic, light or noise to the business park because the facility is unmanned and no noise is expected to exceed the maximum allowed by the Noise Ordinance and impact adjacent businesses. No lighting is proposed and the larger accessory equipment is contained in a room inside the building, thereby negating impacts to the tenants of the business park and adjacent users.

10. If any point on any lot line of any parcel on which the development is proposed to be located within five hundred (500) feet of any point on any lot line of any residentially zoned property (including property in any open space district in which residential uses are permitted or conditionally permitted), the Project is compatible with

residential uses. The high quality image of the City is maintained in the industrial district adjacent to the closest residential neighborhood because the building architectural style does not change and the minor modification does not impact the screens already existing painted and textured to match the building facades, which will continue to be maintained in good condition. The screens was designed to blend in with the building, further camouflaging the Project into the development and will be sufficient to screen the new antennas and associated equipment. The residential developments located beyond the northwest and northeast corners of the business park are located over 600 feet away from the building footprint have limited or no line of sight of the Project thereby eliminating any visual impacts.

Section VII. Wireless Telecommunications Facility Permit. Pursuant to Section 9661.7 of the Agoura Hills Zoning Ordinance, and based upon the evidence presented at the hearing, including the staff report and oral and written testimony, the Zoning Administrator finds that:

1. The proposed facility has been designed and located in compliance with all applicable provisions of the Ordinance. The wireless use remains secondary to the main industrial use on this parcel and is permitted in this zone with the approval of a minor conditional use permit. The Project has been designed to effectively screen and camouflage the antennas by existing roof walls. The associated equipment will be installed adjacent to the antennas and in an equipment room inside the building, out of public view. Further, the applicant has completed the Supplemental Application for the Wireless Telecommunications Facilities to the satisfaction of the Planning Director/Zoning Administrator, which serves, in part, as compliance verification for the Project purpose and Project data regarding Project owners' licensing, FAA Compliance, RF Safety Disclosures, Project build-out, alternative site locations analysis, and visual and noise impacts analysis on adjacent properties and uses required to be submitted in accordance to Section 9661 of the Zoning Ordinance.

2. The proposed facility has been designed and located to achieve compatibility with the community. The modification to the wireless telecommunications facility is being incorporated into an existing building, and adequately screened from the surrounding area. The existing roof wall screening will remain and continue to hide the antennas and accessory equipment including the supporting brackets that are required to be installed in proximity to the antenna, and the remaining accessory equipment will be in an equipment room inside the building solely dedicated to housing the equipment. The Project will not be visible from the right-of-way or adjacent properties.

3. The applicant has submitted a statement of its willingness to allow other carriers to collocate on the proposed wireless telecommunications facility wherever technically and economically feasible and where collocation would not harm community compatibility. The applicant shares the use of the building site with another wireless facility. The Project does not change this arrangement.

4. Noise generated by equipment will not be excessive, annoying, nor be detrimental to the public health, safety, and welfare, and will not exceed the standards

set forth in the Wireless Telecommunications Facilities Ordinance. The Project does not increase the overall number of antennas that the original minor conditional use permit allowed, and the applicant has certified that the Project will not result in an increase of noise over current conditions. Further, the conditions of approval regulate permissible noise and provide a procedure for addressing potential noise effects to ensure that equipment noise will not be excessive, annoying or detrimental.

Section VIII. Based on the aforementioned findings, the Zoning Administrator hereby approves Wireless Telecommunications Facility/Minor Conditional Use Permit No. WIRE-01610-2019, subject to the conditions of approval, attached herein as Exhibit A, with respect to the property described in Section I hereof.

Section IX. The Secretary of the Zoning Administrator shall certify to the passage, approval, and adoption of this resolution, and shall cause this resolution and this certification to be entered in the Book of Resolutions of the City.

PASSED, APPROVED and ADOPTED this 22nd day of August, 2019, by the Planning Director.

_____
Doug Hooper, Zoning Administrator

ATTEST:

_____
Valerie Darbouze, Secretary

Exhibit A

CONDITIONS OF APPROVAL
(CASE NO. WIRE-01610-2019)

PLANNING DEPARTMENT CONDITIONS

1. This decision, or any aspect of this decision, can be appealed to the Planning Commission within fifteen (15) days from the date of the Zoning Administrator's action, subject to filing the required forms and related fees with the City.

2. This approval of this action shall not be effective for any purpose until the applicant has agreed in writing that the applicant is aware of, and accepts all conditions of this Permit with the Planning Department.

3. Except as modified herein, the approval of this action is limited to and requires complete conformation to the approved labeled exhibits: Site Plan; Elevation Plan; and Details Plan reviewed and approved by the Zoning Administrator on August 22, 2019.

4. It is hereby declared to be the intent that if any provision of this action is held or declared invalid, the approval shall be void and the privileges granted hereunder shall lapse.

5. It is further declared and made a condition of this action that if any condition herein is violated, the approval shall be suspended and the privileges granted hereunder shall lapse; provided that the applicant has been given written notice to cease such violation and has failed to do so for a period of thirty (30) days.

6. The approval of the Wireless Telecommunications Facility/Minor Conditional Use Permit shall expire within two (2) years from the date of City approval, (Case No. WIRE-01610-2019). A written request for a one (1) year extension may be considered prior to the expiration date.

7. All requirements of the City Zoning Ordinance and of the specific zoning designation of the subject property must be complied with unless set forth in the Wireless Telecommunications Facility/Minor Conditional Use Permit.

8. Operation of the use shall not be granted until all Conditions of Approval have been complied with as determined by the Director of Planning.

9. The Applicant, and property owner(s), and their successors in interest, shall indemnify, defend and hold harmless the City, its officials, officers, agents and employees (collectively "Indemnitees") from and against any and all claims, actions, lawsuits, damages, losses and liabilities arising or resulting from the granting of this approval by the City or the exercise of the rights granted by this approval. This

indemnification obligation shall include, but not be limited to, paying all fees and costs incurred by legal counsel of the City's choice in representing the Indemnitees in connection with any such claims, actions or lawsuits, any expert fees, and any award of damages, judgments, verdicts, court costs or attorneys' fees in any such claim, action or lawsuit. The City shall promptly notify Applicant and property owners of any claim, action, or proceeding and the City shall reasonably cooperate in the defense. In the event such a legal action is filed, the City shall estimate its expenses for litigation. Applicant or property owners shall deposit such amount with the City or enter into an agreement with the City to pay such expenses as they become due. Applicant and property owners shall reimburse the City, and each of the Indemnitees for any and all legal expenses and costs incurred by it in enforcing the indemnity herein provided. Although the Applicant is the real party in interest in an action, the City may, at its sole discretion, participate in the defense of the action, but such participation shall not relieve the applicant of any obligation under this condition.

WIRELESS TELECOMMUNICATIONS FACILITIES CONDITIONS

10. The term “facility” shall mean the wireless telecommunications facility described in the application and set forth in Section 1 of the Resolution approving these conditions of approval.

11. Permittee shall abide by the conditions of operation stipulated in the Telecom Law Firm PC Report prepared for the AT&T Modification LAC549, dated April 17, 2019.

12. Permittee shall keep all access points to the rooftop area locked at all times, except when active cell site maintenance is performed on the rooftop or equipment.

13. Permittee shall install and at all times maintain in good condition a network operations information sign at the access entries to the rooftop. Signs required under this condition shall be installed so that a person can clearly see the sign as he or she approaches the access point when the door, hatch or other access point is in the open position and when the door, hatch or other access point is in the closed position (e.g., placed on the wall opposite from the hinges so that the sign remains visible when the door or hatch swings open).

14. Permittee shall install and at all times maintain in good condition an “RF Caution” and network operations information sign adjacent to each antenna sector on the rooftop. The RF Caution signs should be placed inside the FRP screen enclosures.

15. Permittee shall ensure that all signage complies with FCC OET Bulletin 65 or ANSI C95.2 for color, symbol and content conventions. All such signage shall provide a working local or toll-free telephone number to its network operations center that reaches a live person who can exert transmitter power-down control over this site as required by the FCC.

16. Permittee shall install and maintain the necessary barriers for Sector A as instructed within Section 2 of the EBI RF Report.

17. The permittee shall submit an as built drawing within ninety (90) days after installation of the facility.

18. The permittee shall submit and maintain current at all times basic contact and site information on a form to be supplied by the City. The permittee shall notify the City of any changes to the information submitted within seven (7) days of any change, including change of the name or legal status of the owner or operator. This information shall include, but is not limited to, the following:

    a. Identity, including the name, address and 24-hour local or toll free contact phone number of the permittee, the owner, the operator, and the agent or person responsible for the maintenance of the facility.

    b. The legal status of the owner of the wireless telecommunications facility, including official identification numbers and Federal Communications Commission certification.

    c. Name, address and telephone number of the property owner if different than the permittee.

19. Upon any transfer or assignment of the permit, the Director may require submission of any supporting materials or documentation necessary to determine that the proposed use is in compliance with the existing permit and all of its conditions of approval including, but not limited to, statements, photographs, plans, drawings, models, and analysis by a qualified radio frequency engineer demonstrating compliance with all applicable regulations and standards of the Federal Communications Commission and the California Public Utilities Commission. If the Director determines that the proposed operation is not consistent with the existing permit, the Director shall notify the permittee who shall either revise the application or apply for modification of the permit pursuant to the requirements of the Agoura Hills Municipal Code.

20. The permittee shall not place any facilities that will deny access to, or otherwise interfere with, any public utility, easement, or right-of-way located on the site. The permittee shall allow the City reasonable access to, and maintenance of, all utilities and existing public improvements within or adjacent to the site, including, but not limited to, pavement, trees, public utilities, lighting and public signage.

21. At all times, all required notices and signs shall be posted on the site as required by the Federal Communications Commission and California Public Utilities Commission, and as approved by the City. The location and dimensions of a sign bearing the emergency contact name and telephone number shall be posted pursuant to the approved plans.

22. At all times, the permittee shall ensure that the facility complies with the most current regulatory and operational standards including, but not limited to, radio frequency emissions standards adopted by the Federal Communications Commission and antenna height standards adopted by the Federal Aviation Administration, and shall timely submit all monitoring reports required pursuant to section 9661.13 of the Agoura Hills Municipal Code.

23. If the Director determines there is good cause to believe that the facility may emit radio frequency emissions that are likely to exceed Federal Communications Commission standards, the Director may require post-installation testing, at permittee's expense, or the Director may require the permittee to submit a technically sufficient written report certified by a qualified radio frequency emissions engineer at other than the regularly required intervals specified in Section 9661.13 of the Agoura Hills Municipal Code, certifying that the facility is in compliance with such FCC standards.

24. Permittee shall pay for and provide a performance bond, which shall be in effect until the facility is fully and completely removed and the site reasonably returned to its original condition, to cover permittee's obligations under these conditions of approval and the Agoura Hills Municipal Code. The bond coverage shall include, but not be limited to, removal of the facility, maintenance obligations and landscaping obligations. Such performance bond shall be in a form satisfactory to the City Attorney and Risk Manager, naming the City as obligee, in an amount equal to $25,000.

25. If a nearby property owner registers a noise complaint and such complaint is verified as valid by the City, the City may hire a consultant to study, examine and evaluate the noise complaint and the permittee shall pay the fee for the consultant. The matter shall be reviewed by the Director. If the Director determines sound proofing or other sound attenuation measures should be required to bring the project into compliance with the Agoura Hills Municipal Code, the Director may impose that condition on the project after notice and a public hearing.

26. Permittee shall defend, indemnify, protect and hold harmless City, its elected and appointed Council Members, boards, commissions, officers, officials, agents, consultants, employees, and volunteers from and against any and all claims, actions, or proceeding against the City, and its elected and appointed Council Members, boards, commissions, officers, officials, agents, consultants, employees, and volunteers to attack, set aside, void or annul, an approval of the City, Planning Commission or City Council concerning this permit and the project. Such indemnification shall include damages, judgments, settlements, penalties, fines, defensive costs or expenses, including, but not limited to, interest, attorneys' fees and expert witness fees, or liability of any kind related to or arising from such claim, action, or proceeding. The City shall promptly notify the permittee of any claim, action, or proceeding. Nothing contained herein shall prohibit City from participating in a defense of any claim, action or proceeding. The City shall have

the option of coordinating the defense, including, but not limited to, choosing counsel for the defense at permittee's expense.

27. "Permittee" shall include the applicant and all successors in interest to this permit.

28. The facility shall bear no signs or advertising devices other than certification, warning or other signage required by law or permitted by the City.

29. The facility shall not be illuminated unless specifically required by the Federal Aviation Administration or other government agency. Lightning arresters and beacon lights are not permitted unless required by the Federal Aviation Administration or other government agency. Any required lighting shall be shielded to eliminated, to the maximum extent possible, impacts on the surrounding neighborhoods, and a lighting study shall be prepared by a qualified lighting professional to evaluate potential impacts to adjacent properties, which must be reviewed and approved by the City prior to the installation of any lighting.

30. Permittee shall submit to the City within ninety (90) days of beginning operations under this permit, and every two years from the date the facility begins operations, a technically sufficient report ("monitoring report") that demonstrates the following:

    a. The facility is in compliance with applicable federal regulations, including Federal Communications Commission RF emissions standards, as certified by a qualified radio frequency emissions engineer;

    b. The facility is in compliance with all provisions of this section and its conditions of approval.

    c. The bandwidth of the facility has not been changed since the original application or last report, as applicable, and if it has, a full written description of that change.

31. Noise.

    a. The facility shall be operated and maintained in such a manner so as to minimize any possible disruption caused by noise.

    b. The facility is not approved for a backup generator. In the event of an emergency that results in a loss of power to the facility, a temporary emergency backup generator may be employed and shall only be operated during periods of power outages, and shall not be tested on weekends or holidays, or between the hours of 7:00 PM and 7:00 AM. The temporary emergency backup generator shall be promptly removed from the premises once the emergency is terminated.

    c. At no time shall equipment noise from the facility exceed an exterior noise level of fifty-five (55) dBA at the facility's property line and such equipment noise shall at no time be audible at the property line of any property zoned residential or improved with a residential use that is located within five hundred (500) feet of the facility.

d. All air conditioning units and any other equipment that may emit noise that would be audible from beyond the facility's property line shall be enclosed or equipped with noise attenuation devices to the extent necessary to ensure compliance with applicable noise limitations under the City of Agoura Hills Municipal Code.

e. Except for emergency repairs, any testing and maintenance activities that will be audible beyond the property line shall only occur between the hours of 7:00 a.m. and 7:00 p.m. on Monday through Friday, excluding holidays, unless alternative hours are approved by the Director.

32. Features designed to make the facility resistant to, and minimize opportunities for, unauthorized access, climbing, vandalism, graffiti and other conditions that would result in hazardous situations, visual blight or attractive nuisances shall not be removed by permittee and shall be maintained in good condition.

33. The facility, including, but not limited to, antennas, accessory equipment, walls, shields, cabinets, camouflage, and the facility site, shall be maintained in good condition, including ensuring the facility is reasonably free of:

a. General dirt and grease;

b. Chipped, faded, peeling, and cracked paint;

c. Rust and corrosion;

d. Cracks, dents, and discoloration;

e. Missing, discolored or damaged screening or other camouflage;

f. Graffiti, bills, stickers, advertisements, litter and debris;

g. Broken and misshapen structural parts; and

h. Any damage from any cause.

34. The permittee shall replace its facility, or part thereof, after obtaining all required permits, if maintenance or repair is not sufficient to return the facility to the condition it was in at the time of installation. The permittee shall routinely inspect the facility and site to ensure compliance with the standards set forth in the Agoura Hills Municipal Code and these conditions of approval.

35. Graffiti shall be removed from a facility as soon as practicable, and in no instance more than twenty-four (24) hours from the time of notification by the City unless a provision of the Agoura Hills Municipal Code provides a shorter time period for removal.

36. In the event Permittee desires to modify the facility, Permittee shall apply for and obtain all permits or permit amendments required by the Agoura Hills Municipal Code prior to making any modification to the facility. At a minimum, any application for modification to the facility shall use the screening and camouflage designs

approved by this permit unless a more effective screen, concealment or camouflage design is proposed by the permittee or required by the Agoura Hills Municipal Code, or the building is remodeled such that it necessitates a new screen, concealment or camouflage design that is consistent with the building façade. Additionally, to the extent feasible, existing equipment shall be replaced with equipment that reduces visual, noise and other impacts, including, but not limited to, replacing larger, more visually intrusive facilities with smaller, less visually intrusive facilities. "Modification" means a change to an existing wireless telecommunications facility that involves any of the following: collocation, expansion, alteration, enlargement, intensification, reduction, or augmentation, including, but not limited to, changes in size, shape, color, visual design, or exterior material. "Modification" does not include repair, replacement or maintenance if those actions do not involve a change to the existing facility involving any of the following: collocation, expansion, alteration, enlargement, intensification, reduction, or augmentation.

37. This permit shall be valid for a period of ten (10) years from the date of City approval, which is the date of issuance, unless pursuant to another provision of the Agoura Hills Municipal Code it lapses sooner or is revoked. At the end of ten (10) years from the date of issuance, this permit shall expire.

38. In the event the facility ceases to provide wireless telecommunications services for ninety (90) or more consecutive days, the facility shall be considered abandoned and shall be promptly removed as provided in these conditions of approval and the Agoura Hills Municipal Code. If there are two (2) or more users of a single facility, then this provision shall not become effective until all users cease using the facility.

39. Permittee shall notify the City in writing of its intent to abandon or cease use of the facility within ten (10) days of ceasing or abandoning use. Additionally, the Permittee shall provide written notice to the Director of any discontinuation of operations of thirty (30) days or more.

40. Failure to inform the Director of cessation or discontinuation of operations of the facility as required by these conditions of approval shall constitute a violation of the conditions of approval and be grounds for:

    a. Prosecution;

    b. Revocation or modification of the permit;

    c. Calling of any bond or other assurance required by the Agoura Hills Municipal Code or conditions of approval of the permit;

    d. Removal of the facility by the City in accordance with the procedures established under the Agoura Hills Municipal Code for abatement of a public nuisance at the permittee's expense; and/or

    e. Any other remedies permitted under the Agoura Hills Municipal Code.

41. Upon the expiration date of the permit, including any extensions, earlier termination or revocation of the permit or abandonment of the facility, the permittee, the property owner, or both shall remove the facility and restore the site to its natural condition except for retaining the landscaping improvements and any other improvements at the discretion of the City. Removal shall be in accordance with proper health and safety requirements and all ordinances, rules, and regulations of the City. The facility shall be removed from the property, at no cost or expense to the City. The private property owner shall be independently responsible for the expense of timely removal and restoration.

42. Failure of the permittee, property owner, or both to promptly remove the facility and restore the property within thirty (30) days after expiration of this permit, earlier termination or revocation of this permit, or abandonment of the facility, shall be a violation of the Agoura Hills Municipal Code, and shall be grounds for:

    a. Prosecution;

    b. Calling of any bond or other assurance required by the Agoura Hills Municipal Code or conditions of approval of permit;

    c. Removal of the facility by the City in accordance with the procedures established under the Agoura Hills Municipal Code for abatement of a public nuisance at the permittee and/or property owner's expense; and/or

    d. Any other remedies permitted under the Agoura Hills Municipal Code.

43. The facility shall comply at all times with any and all applicable local, state, and federal laws, regulations and guidelines. Any violation of these conditions of approval or the Agoura Hills Municipal Code may be subject to the citations, penalties and fines as set forth in the Agoura Hills Municipal Code, other available remedies and/or revocation or modification of this permit at the discretion of the City Attorney and City Prosecutor.

44. Each permittee of a wireless telecommunications facility or wireless telecommunications co-location facility shall provide the director with the name, address, twenty-four-hour local or toll-free contact phone number of the permittee, the owner, the operator and the agent responsible for the maintenance of the facility. Contact information shall be updated within seven (7) days of any change.

45. Each facility shall be operated and maintained to comply at all times with the noise standards of the City of Agoura Hills Noise Ordinance and the facility's conditions of approval, and shall be operated and maintained in a manner that will minimize noise impacts to surrounding residents. Except for emergency repairs, any testing and maintenance activities that will be audible beyond the property line shall only occur between the hours of 7:00 am and 7:00 pm on Monday through Friday, excluding holidays, unless alternative hours are approved by the director. Back-up generators, if permitted, shall only be operating during periods of power outages for testing.

46. Each owner or operator of a facility shall routinely inspect each site to ensure compliance with the standards set forth in the Wireless Telecommunications Facility Ordinance, and the and the conditions of approval.

END

City of Agoura Hills

Wireless Telecommunications Facility/
Minor Conditional Use Permit Amendment Case No. WIRE-0610-2019

Vicinity/Zoning Map

0 150 300 600 900 1,200 Feet

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

1. 2016 CALIFORNIA ADMINISTRATIVE CODE
2. 2016 CALIFORNIA BUILDING CODE
3. 2016 CALIFORNIA ELECTRIC CODE
4. 2016 CALIFORNIA MECHANICAL CODE
5. 2016 CALIFORNIA PLUMBING CODE
6. 2016 CALIFORNIA FIRE CODE
7. ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
8. CITY/COUNTY ORDINANCES

ADA COMPLIANCE:

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, AND IS EXEMPTED FROM ACCESSIBILITY REQUIREMENTS IN ACCORDANCE WITH 2016 CALIFORNIA BUILDING CODE SECTION 11B-203.5.

CODE COMPLIANCE

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 NEW.

GENERAL NOTES

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

PROPERTY OWNER:	CONEJO VENTURES LLC
ADDRESS:	5137 CLARETON DRIVE STE. 100 AGOURA HILLS, CA CONTACT: ROGER SPENCER PHONE: (949) 689-0653
APPLICANT:	AT&T
ADDRESS:	1452 EDINGER AVENUE, 3RD FLOOR TUSTIN, CA 92780
LATITUDE (NAD 83):	34° 8' 47.22" N 34.14645°
LONGITUDE (NAD 83):	118° 45' 11.57" W -118.753214°
GROUND ELEVATION (NAVD 88):	±936' AMSL
APN:	2048-011-024
ZONING JURISDICTION:	CITY OF AGOURA HILLS
CURRENT ZONING:	BP-M-FC
OCCUPANCY:	B
CONSTRUCTION TYPE:	IIA
LEASE AREA:	EQUIPMENT: 460 SQ. FT. ANTENNA: 589 SQ. FT. TOTAL: 1,049 SQ. FT.
POWER COMPANY:	SCE

SITE INFORMATION

PROJECT MANAGER: AT&T 1452 EDINGER AVE. TUSTIN, CA 92780 CONTACT: RYAN YOUNG PHONE: (714) 48-4029 EMAIL: ry456p@att.com	ENGINEER: EUKON 65 POST, SUITE 1000 IRVINE, CA 92615 CONTACT: JEFF JACOBS PHONE: (949) 553-8566 EMAIL: jeff.jacobs@eukongroup.com
LEASING: EUKON GROUP 630 S. GRAND, SUITE 101 SANTA ANA, CA 92705 CONTACT: SAMANTHA KAFOVALU EMAIL: samantha.kafovalu@eukongroup.com	ZONING: EUKON GROUP 630 S. GRAND, SUITE 101 SANTA ANA, CA 92705 CONTACT: SAMANTHA KAFOVALU EMAIL: samantha.kafovalu@eukongroup.com
RF ENGINEER: AT&T 1452 EDINGER AVE. TUSTIN, CA 92780 CONTACT: MUHAMMAD HARIS PHONE: (562) 650-2754 EMAIL: mh220e@att.com	CONSTRUCTION: BECHTEL 16808 ARMSTRONG AVE STE 225 IRVINE, CA 92606 CONTACT: DUSTIN J JOHNSTON PHONE: (949) 266-7997 EMAIL: djjohnst@bechtel.com

PROJECT TEAM

SITE NUMBER: LAC549 (CLU2031)
SITE NAME: AGOURA HILLS

at&t

PROJECT: LTE-4C/5C/6C
SITE TYPE: ROOFTOP (T.I.)
SITE ADDRESS: 5126 CLARETON DRIVE
AGOURA HILLS, CA 91301
DISTRICT / ZONE: 1B
LTE-4C PACE#: MRLOS040607 / PA#: 3551A0BN6R
LTE-5C PACE#: MRLOS040644 / PA#: 3551A0BN1B
LTE-6C PACE#: MRLOS039778 / PA#: 3551A0BL96

VICINITY MAP

AERIAL

DIRECTIONS FROM AT&T OFFICE: HEAD NORTHEAST TOWARD EDINGER AVE. TURN RIGHT ONTO EDINGER AVE. TURN RIGHT AT THE 1ST CROSS STREET ONTO RED HILL AVE. TURN RIGHT ONTO VALENCIA AVE. TURN RIGHT ONTO NEWPORT AVE. TURN LEFT TO MERGE ONTO CA-55 N. MERGE ONTO CA-55 N. TAKE EXIT 10B TO MERGE ONTO I-5 N TOWARD SANTA ANA. KEEP LEFT AT THE FORK TO CONTINUE ON US-101 N, FOLLOW SIGNS FOR LOS ANGELES N/CIVIC CENTER. KEEP RIGHT AT THE FOR TO STAY ON US-101 N, FOLLOW SIGNS FOR VENTURA/VENTURA FWY. TAKE EXIT 35 TOWARD CHESEBRO RD/AGOURA HILLS. TURN RIGHT ONTO PALO COMADO CANYON RD. TURN LEFT ONTO CHESEBRO RD. CHESEBRO RD TURNS SLIGHTLY RIGHT AND BECOMES CANWOOD ST. TURN RIGHT ONTO CLARETON DR. ARRIVE AT SITE ON THE RIGHT.

DRIVING DIRECTIONS

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

CONSTRUCTION DRAWING

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

APPROVED BY:	INITIALS:	DATE:
AT&T RF ENGINEER:		
AT&T OPERATIONS:		
SITE ACQUISITION MANAGER:		
PROJECT MANAGER:		
ZONING VENDOR:		
LEASING VENDOR:		
CONSTRUCTION MANAGER:		
A/E MANAGER:		
PROPERTY OWNER:		

APPROVALS

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

- REMOVE AND REPLACE (6) EXISTING 4' PANEL ANTENNAS WITH (6) NEW 4' PANEL ANTENNAS ON EXISTING BUILDING ROOFTOP BEHIND EXISTING FRP SCREEN
- REMOVE AND REPLACE IS EXISTING UNISTRUT ANTENNA MOUNTING WITH NEW STEEL ANGLE ANTENNA MOUNTING BEHIND EXISTING FRP SCREEN
- REMOVE (2) EXISTING POWER PLANTS IN EXISTING EQUIPMENT ROOM
- REMOVE EXISTING 45 KVA STEP DOWN TRANSFORMER IN EXISTING EQUIPMENT ROOM
- REMOVE EXSITING OMNI ANTENNAS ON EXISTING ROOFTOP
- REMOVE (1) EXISTING MICROWAVE DISH ON EXISTING ROOFTOP
- INSTALL (3) NEW RRUS-32 B66 ON EXISTING BUILDING ROOFTOP
- INSTALL (3) NEW RRUS-E2 ON EXISTING BUILDING ROOFTOP
- INSTALL (3) NEW RRUS-4478 B14 ON EXISTING BUILDING ROOFTOP
- INSTALL (1) NEW BBU 5216 IN EXISTING EQUIPMENT ROOM
- INSTALL (1) NEW XMU IN EXISTING EQUIPMENT ROOM
- INSTALL (1) NEW RBS 6601 V2 CHASSIS IN EXISTING EQUIPMENT ROOM
- INSALL (1) NEW POWER PLANT WITH (13) NEW RECTIFIERS, (4) NEW CONVERTERS, AND (12) NEW BATTERIES IN EXISTING EQUIPMENT ROOM
- INSTALL (1) NEW BATTERY CABINET WITH (12) NEW BATTERIES IN EXISTING EQUIPMENT ROOM
- INSTALL NEW CPRI CABLE
- INSTALL NEW 75 kVA STEP DOWN TRANSFORMER IN EXISTING EQUIPMENT ROOM

PROJECT DESCRIPTION

SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET	0
T-2	GENERAL NOTES, LEGEND, AND ABBREVIATIONS	0
T-3	GENERAL SIGNAGE	0
T-4	RF SAFETY ZONE ROOF PLAN	0
A-1	SITE PLAN	0
A-2	EXISTING EQUIPMENT LAYOUT	0
A-2.1	NEW EQUIPMENT LAYOUT	0
A-3	EXISTING AND NEW ANTENNA PLANS	0
A-3.1	ANTENNA AND RRU SCHEDULES	0
A-4	EXISTING AND NEW NORTH ELEVATIONS	0
A-5	EXISTING AND NEW WEST ELEVATIONS	0
A-6	EXISTING AND NEW SOUTH ELEVATIONS	0
A-7	EXISTING AND NEW EAST ELEVATIONS	0
A-8	EQUIPMENT AND CONSTRUCTION DETAILS	0
A-9	EQUIPMENT DETAILS	0
E-1	ELECTRICAL SINGLE LINE DIAGRAM / PANEL SCHEDULE	0
E-2	GROUNDING PLANS AND DETAILS	0
E-3	GROUNDING DETAILS	0
FD-1	BATTERY INFORMATION	0

SHEET INDEX

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.

DO NOT SCALE DRAWINGS

APPLICANT:

The new at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

DRAWN BY:	CV/JPG/MAG
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
0	07/22/19	100% CONSTRUCTION DRAWING
A	01/15/18	90% CONSTRUCTION DRAWING

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
CHRIS S. LEE
76549
CIVIL
STATE OF CALIFORNIA

PROJECT INFORMATION:

LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

LEGEND

	NEW ANTENNA
	EXISTING ANTENNA
	GROUND ROD
	GROUND BUS BAR
	MECHANICAL GRND. CONN.
	CADWELD
	GROUND ACCESS WELL
E	ELECTRIC BOX
T	TELEPHONE BOX
	LIGHT POLE
	FND. MONUMENT
	SPOT ELEVATION
	SET POINT
1	REVISION
X	GRID REFERENCE
X / Y–Y	DETAIL REFERENCE
X / Y–Y	ELEVATION REFERENCE
X / Y–Y	SECTION REFERENCE

	GROUT OR PLASTER
	(E) BRICK
	(E) MASONRY
	CONCRETE
	EARTH
	GRAVEL
	PLYWOOD
	SAND
	WOOD CONT.
	WOOD BLOCKING
	STEEL
	CENTERLINE
	PROPERTY/LEASE LINE
	MATCH LINE
	WORK POINT
	GROUND CONDUCTOR
A	COAXIAL CABLE
ou	OVERHEAD SERVICE CONDUCTORS
X	CHAIN LINK FENCING
OHT/OHP	OVERHEAD TELEPHONE/OVERHEAD POWER
OHT	OVERHEAD TELEPHONE LINE
OHP	OVERHEAD POWER LINE
E	POWER RUN
F/P	FIBER/POWER RUN

T	TELCO RUN
T/E	POWER/TELCO RUN
G	GROUNDING CONDUCTOR
	GROUNDING CONDUCTOR
	CONDUIT UNDERGROUND
	FUSE, SIZE AND TYPE AS INDICATED.
	SAFETY SWITCH, 2P–240V–60A W/60A FUSES, NEMA 3R ENCLOSURE, SQ D CATALOG NO. H222NRB
	MANUAL TRANSFER SWITCH, 2P–240V–200A, NO FUSE, NEMA 3R ENCLOSURE
	LIGHTING FIXTURE, FLUORESCENT, 10.94" x 4'–0", 2/40W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #WSW232T
	LIGHTING FIXTURE, FLUORESCENT, 10.94" x 8'–0", 2/95W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #TWSM232T
	LIGHTING FIXTURE, HIGH PRESSURE SODIUM, 1/70W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #NRG–307 OR 1/50W, HUBBELL LIGHTING CATALOG #NRG–121
	EXIT SIGN, THERMOPLASTIC LED, SINGLE FACE, UNIVERSAL MOUNTING, W/BATTERY PACK, HUBBELL LIGHTING CATALOG #PRB
EXIT	COMBINATION, EXIT SIGN & EMERGENCY LIGHTING, HUBBELL LIGHTING CATALOG #PRC
	EMERGENCY LIGHTING, 2/50W, HUBBELL LIGHTING CATALOG #HE6–50–2–R91
	LIGHTING FIXTURE, INCANDESCENT, 1/100W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #BRH–100–06–1
	LIGHTING FIXTURE, HALOGEN, QUARTZ, 1/300W, HUBBELL LIGHTING CATALOG #QL–505
	LIGHTING FIXTURE, 1/175W. METAL HALIDE, HUBBELL CAT #MIC–0175H–336
	5/8" X 10'–0" ,CU. GND ROD 30" MIN. BELOW GRADE.

	5/8" X 10'–0" ,CU. GND ROD IN TEST WELL 30" MIN. BELOW GRADE.
	CHEMICAL GROUND ROD (XIT GROUND ROD)
	CADWELD CONNECTION
	MECHANICAL CONNECTION
	HALO GROUND CONNECTION
	CIRCUIT BREAKER
M	UTILITY METER BASE
	TRANSFORMER
T	STEPDOWN TRANSFORMER
	RECEPTACLE, 2P–3W–125V–15A, DUPLEX, GROUND TYPE, HUBBEL CATALOG #5362
S	TOGGLE SWITCH, 1P–125V–15A, HUBBELL CATALOG #HBL 1201CN
S_{WP}	TOGGLE SWITCH, 1P–120V–15A, "WP"
S	IONIZATION SMOKE DETECTOR W/ALARM HORN & AUXILIARY CONTACT, 120 VAC, GENTEX PART NO. 7100F
	POLE
	(N) POLE MOUNTED XFMR
	(E) POLE MOUNTED XFMR
	(N) PAD MOUNTED XFMER
	(E) PAD MOUNTED XFMER

A	AMPERE	EMT.	ELECTRICAL METALLIC TUBING	MTD.	MOUNTED
A.B.	ANCHOR BOLT	E.N.	EDGE NAIL	MTG.	MOUNTING
ABV.	ABOVE	ENCL.	ENCLOSURE	MTL.	METAL
AC	ALTERNATE CURRENT/AIR CONDITIONER	ENG.	ENGINEER	MTS.	MANUAL TRANSFER SWITCH
ACCA	ANTENNA CABLE COVER ASSEMBLY	EQ.	EQUAL	N	NEUTRAL
ADD'L	ADDITIONAL	EXST.(E)	EXISTING	(N)	NEW
A.F.F.	ABOVE FINISHED FLOOR	EXP.	EXPANSION	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
A.F.G.	ABOVE FINISHED GRADE	EXT.	EXTERIOR	NO.(#)	NUMBER
AIC	AMPERE INTERRUPTING CAPACITY	FAB.	FABRICATION(OR)	N.T.S.	NOT TO SCALE
ALUM.	ALUMINUM	FAC.	FACTOR	OBIF	OPTICAL BASEBAND INTERFACE
ALT.	ALTERNATE	F/A	FIRE ALARM	OH	OVERHEAD
ANT.	ANTENNA	F.F.	FINISH FLOOR	O.C.	ON CENTER
APPROX.	APPROXIMATE(LY)	F.G.	FINISH GRADE	OPNG.	OPENING
ARCH.	ARCHITECT(URAL)	FIN.	FINISH(ED)	P	POLE
AT.	AMPERE TRIP	FLR.	FLOOR	P/C	PRECAST CONCRETE
AWG.	AMERICAN WIRE GAUGE	FLUOR	FLUORESCENT	PCS	PERSONAL COMMUNICATION SERVICES
BATT.	BATTERY	FDN.	FOUNDATION	PH	PHASE
BD.	BOARD	F.O.C.	FACE OF CONCRETE	PLY.	PLYWOOD
BLDG.	BUILDING	F.O.M.	FACE OF MASONRY	PNLBD	PANELBOARD
BLK.	BLOCK	F.O.S.	FACE OF STUD	PPC	POWER PROTECTION CABINET
BLKG.	BLOCKING	F.O.W.	FACE OF WALL	PRC	PRIMARY RADIO CABINET
BM.	BEAM	F.S.	FINISH SURFACE	PRI	PRIMARY
B.N.	BOUNDARY NAILING	FT.(')	FOOT (FEET)	P.S.F.	POUNDS PER SQUARE FOOT
BR.	BRANCH	FTG.	FOOTING	P.S.I.	POUNDS PER SQUARE INCH
BRKR.	BREAKER	FU	FUSE	P.T.	PRESSURE TREATED
BTCW.	BARE TINNED COPPER WIRE	G	GROUND	PWR.	POWER (CABINET)
BTS.	BASE TRANSMISSION SYSTEM	GR	GROWTH (CABINET)	QTY.	QUANTITY
B.O.F.	BOTTOM OF FOOTING	GA.	GAUGE	RAD.(R)	RADIUS
B/U	BACK–UP CABINET	GEN.	GENERATOR	RBS	RADIO BASE STATION (BASE STATION 3G NETWORKS)
C	CONDUIT	GI.	GALVANIZE(D)		
CAB.	CABINET	G.F.C. I.	GROUND FAULT CIRCUIT INTERRUPTER	RCPT.	RECEPTACLE
CANT.	CANTILEVER(ED)	GLB. (GLU–LAM)	GLUE LAMINATED BEAM	REF.	REFERENCE
CB.	CIRCUIT BREAKER	GND	GROUND	REINF.	REINFORCEMENT(ING)
CDMA	CODE–DIVISION MULTIPLE ACCESS (2G & 3G)	GPS	GLOBAL POSITIONING SYSTEM	REQ'D.	REQUIRED
CDUK	CONSOLIDATION DISTRIBUTION UNIT KIT	GRND.	GROUND	RGS.	RIGID GALVANIZED STEEL
C.I.P.	CAST IN PLACE	GSM	GLOBAL SYSTEM MOBILE (2G+ MOBILE TECH.)	RRU	REMOTE RADIO UNIT (RADIO TRANSCEIVER)
CKT.	CIRCUIT	HDBC	HARD DRAWN COPPER WIRE		
CLG.	CEILING	HDR.	HEADER	RX–AIT	RECEIVER AIR INTERFACE TRAY
CLR.	CLEAR	HGR.	HANGER	SAF	SAFETY
CMU	CONCRETE MASONRY UNIT (JAMB BLOCKS)	HPS	HIGH PRESSURE SODIUM	SCH.	SCHEDULE
COL.	COLUMN	HT.	HEIGHT	SDBC	SOFT DRAWN BARE COPPER
CONC.	CONCRETE	ICGB.	ISOLATED COPPER GROUND BUS	SEC	SECONDARY
CONN.	CONNECTION(OR)	IN.(")	INCH(ES)	SHT.	SHEET
CONST.	CONSTRUCTION	INT.	INTERIOR	SIM.	SIMILAR
CONT.	CONTINUOUS	LB.(#)	POUND(S)	S.N.	SOLID NEUTRAL
d	PENNY (NAILS)	L.B.	LAG BOLTS	SPEC.	SPECIFICATION(S)
DBL.	DOUBLE	L.F.	LINEAR FEET (FOOT)	SQ.	SQUARE
DC	DIRECT CURRENT	LG.	LENGTH	S.S.	STAINLESS STEEL
DEM.	DEMAND	L	LONG(ITUDINAL)	STD.	STANDARD
DEPT.	DEPARTMENT	LPS	LOW PRESSURE SODIUM	STL.	STEEL
D.F.	DOUGLAS FIR	LTE	LONG TERM EVOLUTION (4G MOBILE TECH.)	STRUC.	STRUCTURAL
DIA.	DIAMETER	MAS.	MASONRY	SURF	SURFACE
DIAG.	DIAGONAL	MAX.	MAXIMUM	SW	SWITCH
DIM.	DIMENSION	M.B.	MACHINE BOLT	TEL.	TELEPHONE
DWG.	DRAWING(S)	MECH.	MECHANICAL	TEMP.	TEMPORARY
DWL.	DOWEL(S)	MFR.	MANUFACTURER	THK.	THICK(NESS)
EA.	EACH	MIN.	MINIMUM	TMAS	TOWER MOUNTED AMPLIFIER
EGR.	EMERGENCY GENERATOR RECEPTACLE	MISC.	MISCELLANEOUS		(DC SUPPLY VOLTAGE)
EL.	ELEVATION	MLO	MAIN LUGS ONLY	T.N.	TOE NAIL
ELEC.	ELECTRICAL			T.O.A.	TOP OF ANTENNA
ELEV.	ELEVATOR			T.O.C.	TOP OF CURB

T.O.F.	TOP OF FOUNDATION		
T.O.P.	TOP OF PLATE (PARAPET)		
T.O.S.	TOP OF STEEL		
T.O.W.	TOP OF WALL		
TYP.	TYPICAL		
U.G.	UNDER GROUND		
U.L.	UNDERWRITERS LABORATORY INC.		
UMTS	UNIVERSAL MOBIL TECH. SYS. (3G MOBILE TECH.)		
U.N.O.	UNLESS NOTED OTHERWISE		
V	VOLT		
VAC	VOLT ALTERNATING CURRENT		
V.I.F.	VERIFY IN FIELD		
W	WATT OR WIRE		
WD	WIDE(WIDTH)		
W/	WITH		
W/O	WITHOUT		
WD.	WOOD		
W.P.	WEATHERPROOF		
WT.	WEIGHT		
XFER	TRANSFER		
XFMR	TRANSFORMER		
XLPE	CROSS–LINK POLYETHYLENE		
℄	CENTERLINE		
℄	PLATE, PROPERTY LINE		

NOTES FOR EXISTING AT&T CELL SITES:

1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
2. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
3. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
4. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
5. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
6. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

1. THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2–A OR 2–A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
11. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1 OR SHEET C–1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF AT&T.
13. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
14. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE–SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.
15. BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.
16. CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.
17. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
18. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
19. CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK. AS SPECIFIED ON SITE PLAN.
20. CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
21. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS–BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING.

APPLICANT:

The new at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

Eukon
an SFC Communications, Inc. Company
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IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

DRAWN BY:	CV/JPG/MAG
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
0	07/22/19	100% CONSTRUCTION DRAWING
A	01/15/18	90% CONSTRUCTION DRAWING

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
CHRIS S. LEE
76549
CIVIL
STATE OF CALIFORNIA

PROJECT INFORMATION:

LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

GENERAL NOTES, LEGEND, AND ABBREVIATIONS

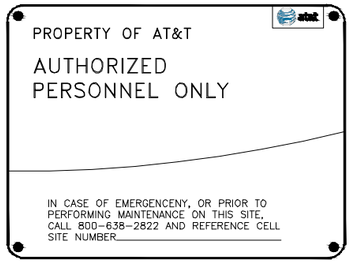
SHEET NUMBER:

T-2

ALERTING SIGNS
NO SCALE

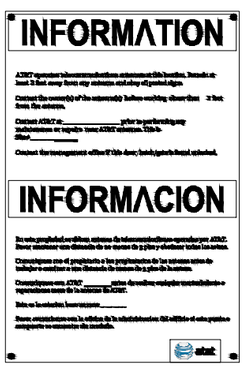
ALERTING SIGN
NO SCALE

ALERTING SIGN
NO SCALE



INFO SIGN #5
NO SCALE

INFO SIGN #3
NO SCALE



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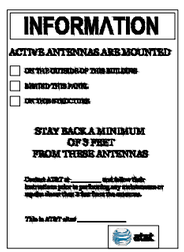

INFO SIGN #2
NO SCALE

INFO SIGN #4
NO SCALE

GENERAL SIGNAGE GUIDELINES

Structure Type	INFO SIGN #1	INFO SIGN #2	INFO SIGN #3	INFO SIGN #4	INFO SIGN #5	Striping	NOTICE SIGN	CAUTION SIGN
Towers								
MONOPINE/Monopine/Monopalm	entrance gates, shelter doors OR on the outdoor cabinets	climbing side of the Tower	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet			At the height of the first climbing step, min. 9ft above ground
SCE Towers/Towers with high voltage	entrance gates, shelter doors OR on the outdoor cabinets				On the shelter door or on one outdoor equipment cabinet			At the height of the first climbing step, min. 9ft above ground
Light Poles/Flag Poles	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet			
Utility Wood Poles (JPA)	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet		If GP max value of MPE at antenna level is: 0-99%: Notice sign; over 99%: Caution sign at no less that 3ft below antenna and 9ft above ground	
Microcells mounted on non-JPA poles	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet		Notice or Caution sign at no less than 9ft above ground: only if the exposure exceeds 90% of the General Public Exposure at 6ft above ground or at	
Roof Tops								
At all access points to the roof	X							
On Antennas	X		X	X				
Concealed Antennas	X	X						
antennas mounted facing outside the building	X	X						
antennas on support structure	X	X						
Roofview Graph:								
Radiation area is within 3ft from antenna	X	adjacent to each antenna					either Notice or Caution sign (based on Roofview results) at antennas/barrier	
Radiation area is beyond 3ft from antenna	X	adjacent to each antenna				diagonal, yellow striping as to Roofview graph		
Church Steeples	Access to steeple	adjacent to antennas if antennas are concealed	On backside of Antennas	On the side of Antennas	On the shelter door or on one outdoor equipment cabinet			Caution sign at the antennas
Water Stations	Access to ladder	adjacent to antennas if antennas are concealed	On backside of Antennas	On the side of Antennas	On the shelter door or on one outdoor equipment cabinet			Caution sign beside info sign #1, min. 9ft above ground

Notes for Rooftop sites:

1. Either NOTICE or CAUTION signs need to be posted at each sector as close as possible to: the outer edge of the striped off area of the outer antennas of the sector.
2. If Roofview shows: only blue = Notice Sign, blue and yellow = Caution Sign, only yellow = Caution sign to be installed.
3. Should the Required striping area interfere with any structures or equipment (A/C, vents, roof hatch, doors, other antennas, dishes, etc.). please notify AT&T to modify the striping area, prior to starting the work

SIGNAGE GUIDELINES CHART
NO SCALE

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DRAWN BY: CV/JPG/MAG
CHECKED BY: BW

REVISIONS:

REV	DATE	DESCRIPTION
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A	01/15/18	90% CONSTRUCTION DRAWING

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
CHRIS S. LEE
78549
CIVIL
STATE OF CALIFORNIA

PROJECT INFORMATION:

LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

GENERAL SIGNAGE

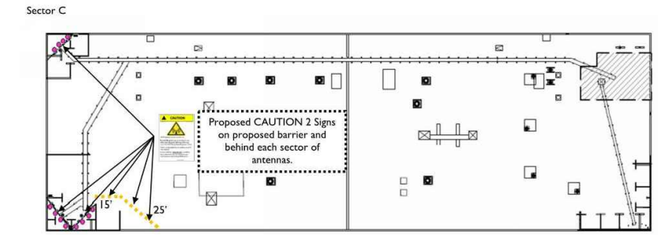
SHEET NUMBER:

T-3

Site Name: Agoura Hills
Site FA: 10086001

EBI Project Number: 6218003121
3

2.0 SITE SCALE MAP



Sign Identification Legend			
	Denotes AT&T Information Sign 1		Denotes AT&T NOTICE Sign
	Denotes AT&T Information Sign 2		Denotes AT&T CAUTION Sign
	Denotes AT&T Information Sign 3		Denotes AT&T CAUTION Tower Sign
	Denotes AT&T Information Sign 4		Denotes AT&T WARNING Sign
	Denotes AT&T CAUTION Sign 2		Denotes AT&T NOTICE Sign 2

AT&T Antennas

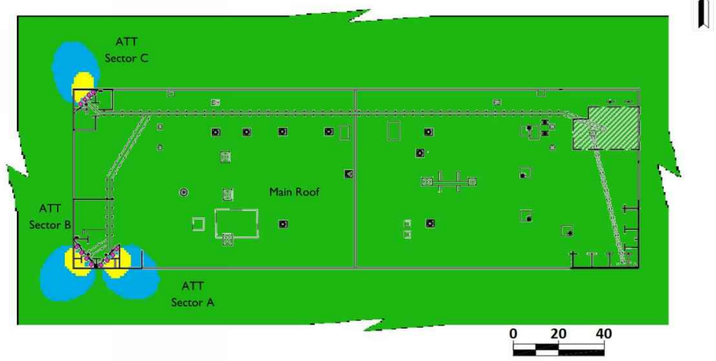
Proposed Hard Barrier

Site Name: Agoura Hills
Site FA: 10086001

EBI Project Number: 6218003121

AT&T Antennas

Main Roof Level Simulation



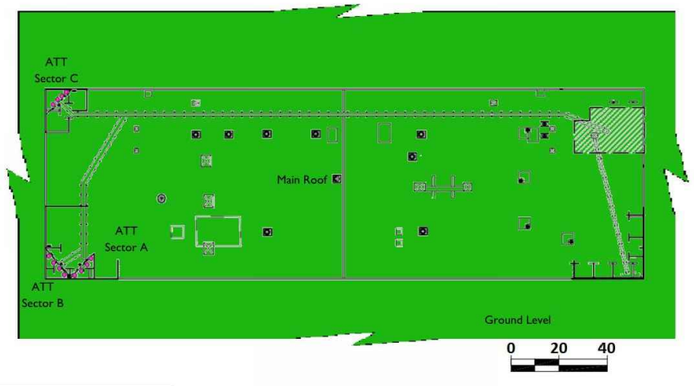
% FCC Public Exposure Limit
Exposure Level ≥ 5,000
500 < Exposure Level ≤ 5,000
100 < Exposure Level ≤ 500
Exposure Level ≤ 100

Site Name: Agoura Hills
Site FA: 10086001

EBI Project Number: 6218003121

AT&T Antennas

Ground Level Simulation

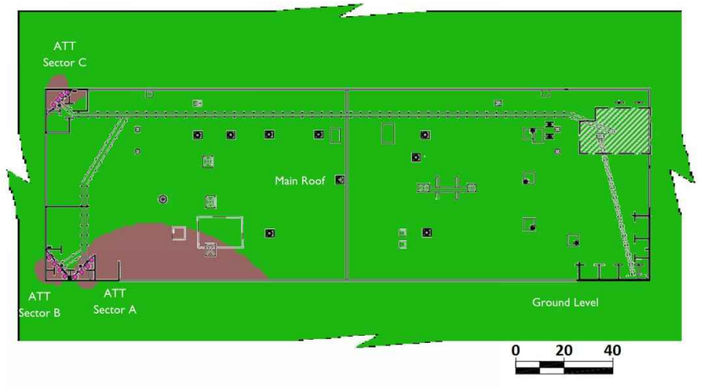


% FCC Public Exposure Limit
Exposure Level ≥ 5,000
500 < Exposure Level ≤ 5,000
100 < Exposure Level ≤ 500
Exposure Level ≤ 100

Site Name: Agoura Hills
Site FA: 10086001

EBI Project Number: 6218003121

AT&T Antennas



% FCC Public Exposure Limit
Exposure Level > 5
Exposure Level ≤ 5

Note that the areas shown in brown are where AT&T antennas contribute more than 5% of the FCC's general exposure RF limit. These do not overlap any areas in front of other carrier antennas exceeding the FCC's general exposure RF limit because there are no other carriers as shown in Figure 1. Under FCC regulations, AT&T is therefore not responsible for any predicted exceedances of another carrier's antennas.

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76549
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STATE OF CALIFORNIA

PROJECT INFORMATION:

LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

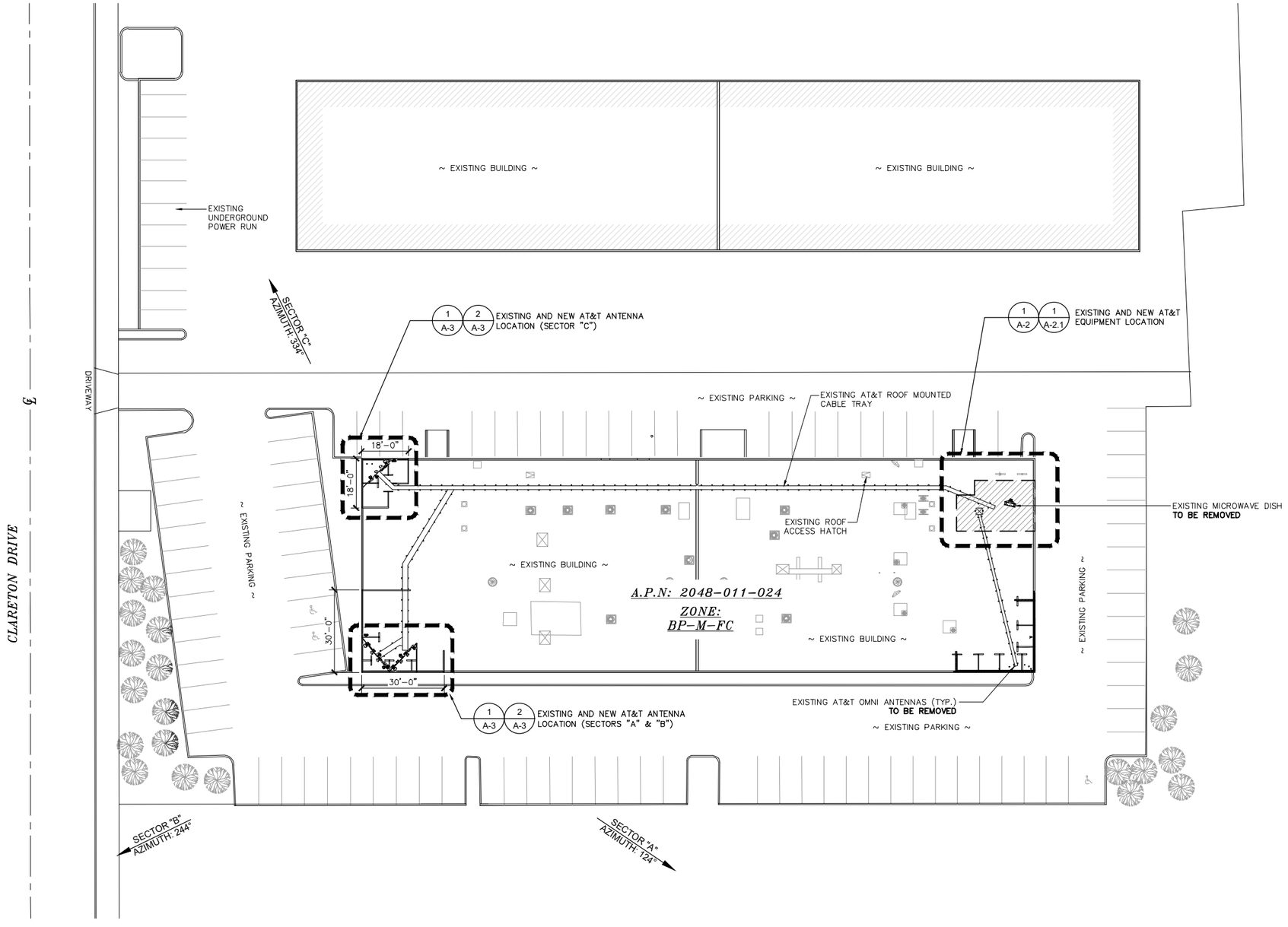
RF SAFETY ZONE
ROOF PLAN

SHEET NUMBER:

T-4

SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.



DISCLAIMER NOTE:

EUKON GROUP HAS GENERATED A SITE PLAN WITHOUT USING A TOPOGRAPHIC SURVEY. PROPERTY LINES, POWER/TELCO UTILITY POINTS OF CONNECTIONS/ROUTES AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. EUKON GROUP HIGHLY RECOMMENDS GETTING A TOPOGRAPHIC SURVEY FOR THE PROPERTY TO VERIFY THE MEASUREMENTS AND ACCURACY.

SITE PLAN

SCALE 1"=20'-0" (20' 0 10' 20' 40' 80')

1

APPLICANT:

The new at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

DRAWN BY:	CV/JPG/MAG
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
0	07/22/19	100% CONSTRUCTION DRAWING
A	01/15/18	90% CONSTRUCTION DRAWING

LICENSER:

REGISTERED PROFESSIONAL ENGINEER CHRIS S. LEE 76549 CIVIL STATE OF CALIFORNIA

PROJECT INFORMATION:

LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

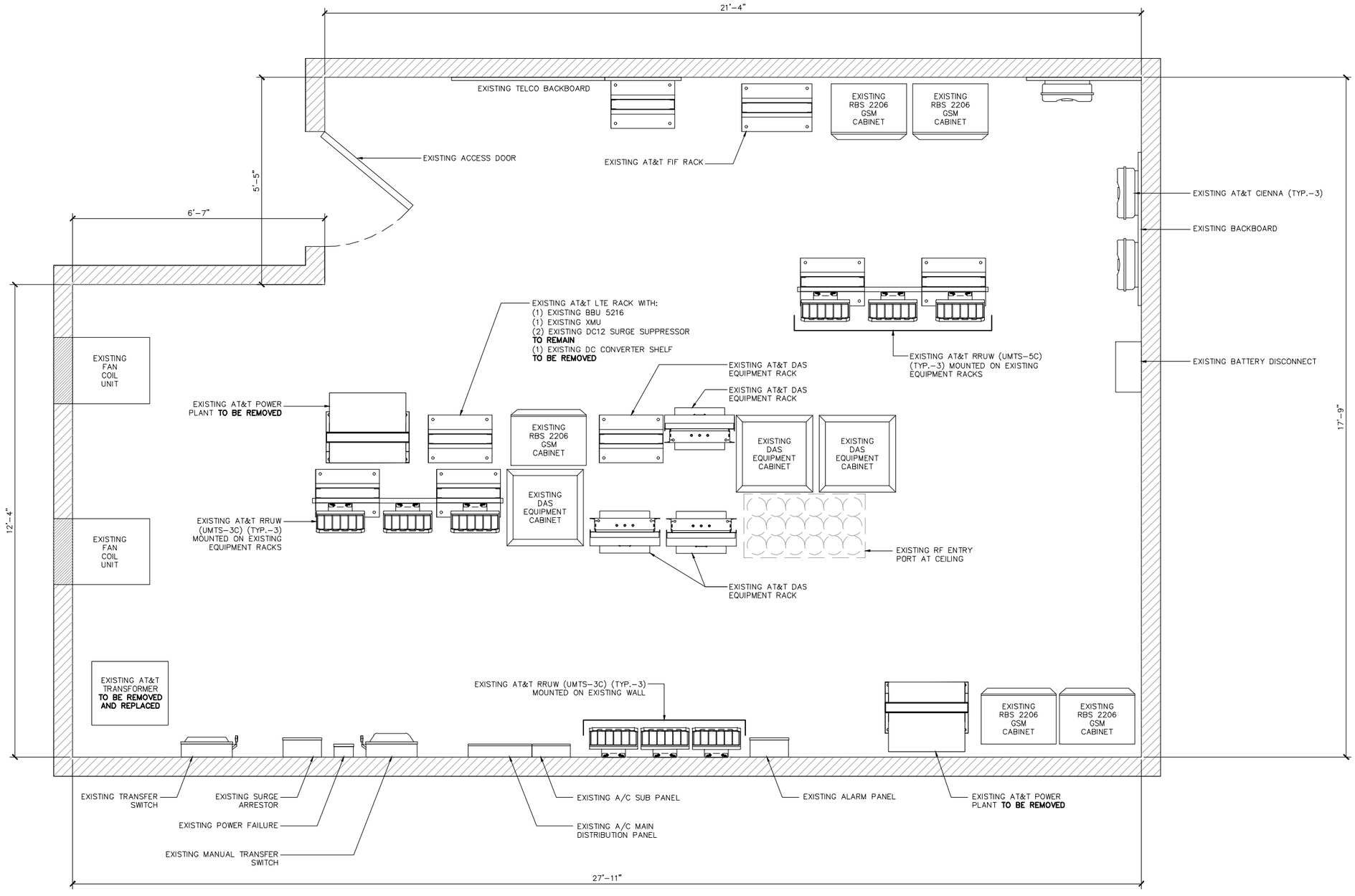
SITE PLAN

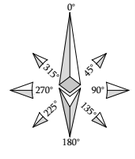
SHEET NUMBER:

A-1

SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.





EXISTING EQUIPMENT LAYOUT

SCALE 3/4"=1'-0"

1' 0 6" 1' 2' 4'

1

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STATE OF CALIFORNIA

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5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

EXISTING
EQUIPMENT LAYOUT

SHEET NUMBER:

A-2

SCALE NOTE:

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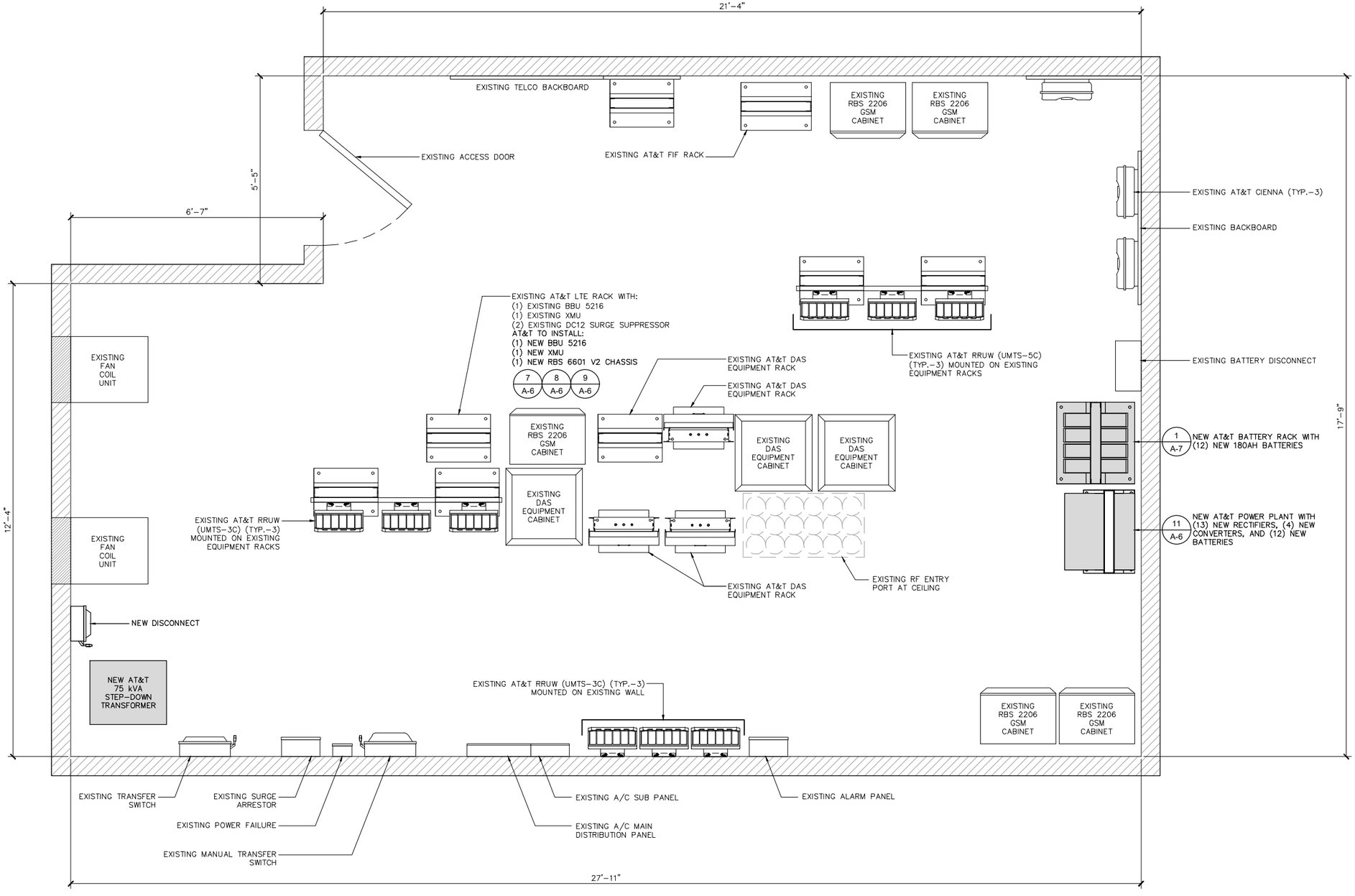

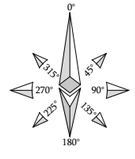

NEW EQUIPMENT LAYOUT

SCALE 3/4"=1'-0"

1' 0 6" 1' 2' 4'

1

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NEW EQUIPMENT LAYOUT

SHEET NUMBER:

A-2.1

SCALE NOTE:

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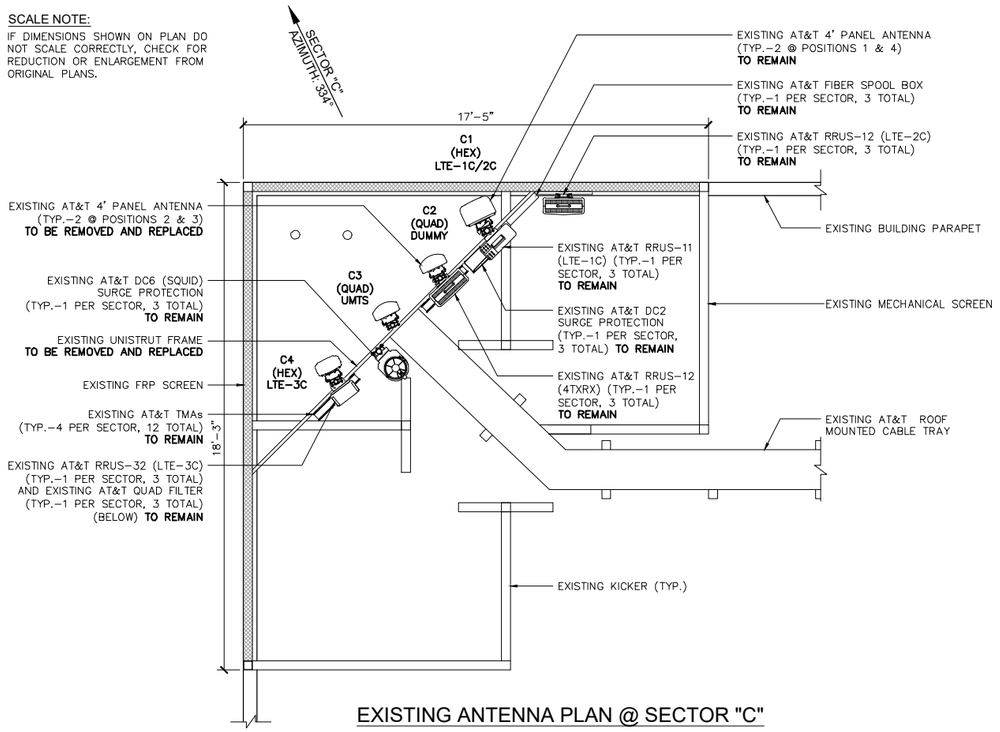
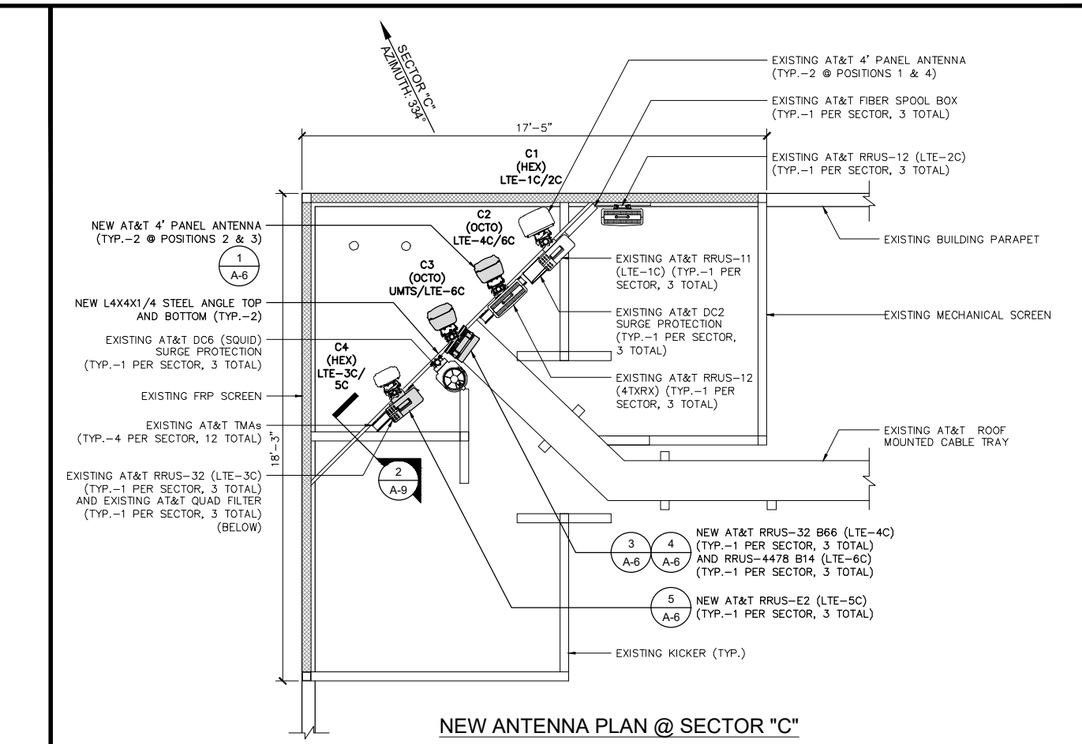
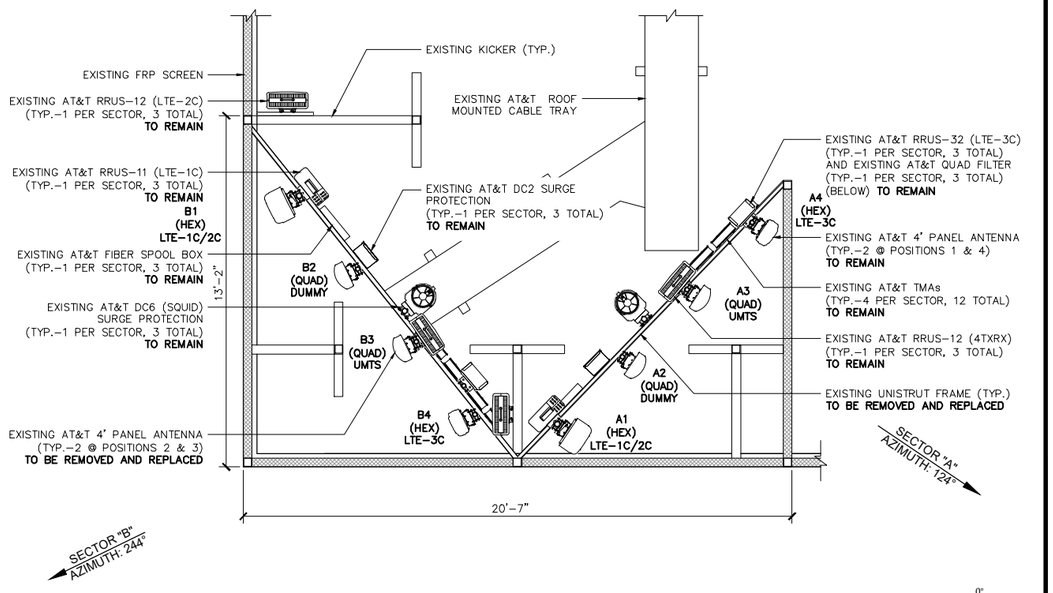


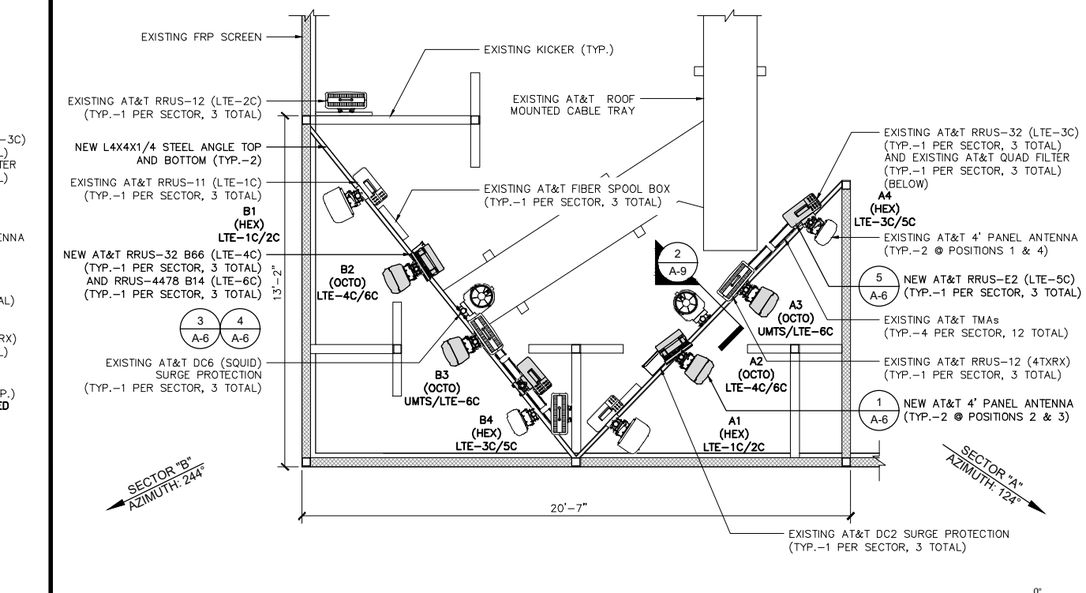
EXISTING ANTENNA PLAN @ SECTOR "C"



NEW ANTENNA PLAN @ SECTOR "C"



EXISTING ANTENNA PLAN @ SECTORS "A" & "B"



NEW ANTENNA PLAN @ SECTORS "A" & "B"

EXISTING ANTENNA PLAN	SCALE 3/8"=1'-0"	1

NEW ANTENNA PLAN	SCALE 3/8"=1'-0"	2

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PROJECT INFORMATION:

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AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

EXISTING AND NEW ANTENNA PLANS

SHEET NUMBER:

A-3

OPTIMUM ANTENNA REQUIREMENTS (VERIFY WITH CURRENT RFDS)

	SECTOR	TECHNOLOGY		ANTENNA MODEL		ANTENNA AZIMUTH		RAD CENTER		TRANSMISSION CABLE	
		EXIST	NEW	EXISTING	NEW	EXIST	NEW	EXIST	NEW	LENGTH	PART NUMBER
ALPHA SECTOR	A1	LTE-1C/2C	LTE-1C/2C	CCI HPA-65R-BUU-H4-K	CCI HPA-65R-BUU-H4-K	124°	124°	±33'-0"	±33'-0"	±350'	FIBER
	A2	DUMMY	**LTE-4C/6C**	POWERWAVE RA21.7750.00	**QUINTEL QS4658-3e**	124°	124°	±33'-0"	±33'-0"	±350'	FIBER
	A3	UMTS	UMTS/ **LTE-6C**	POWERWAVE RA21.7750.00	**QUINTEL QS4658-3e**	124°	124°	±33'-0"	±33'-0"	±350'	COAX
	A4	LTE-3C	LTE-3C/**5C**	KATHREIN 800-10864K	KATHREIN 800-10864K	124°	124°	±33'-0"	±33'-0"	±350'	FIBER
BETA SECTOR	B1	LTE-1C/2C	LTE-1C/2C	CCI HPA-65R-BUU-H4-K	CCI HPA-65R-BUU-H4-K	244°	244°	±33'-0"	±33'-0"	±350'	FIBER
	B2	DUMMY	**LTE-4C/6C**	POWERWAVE RA21.7750.00	**QUINTEL QS4658-3e**	244°	244°	±33'-0"	±33'-0"	±350'	FIBER
	B3	UMTS	UMTS/ **LTE-6C**	POWERWAVE RA21.7750.00	**QUINTEL QS4658-3e**	244°	244°	±33'-0"	±33'-0"	±350'	COAX
	B4	LTE-3C	LTE-3C/**5C**	KATHREIN 800-10864K	KATHREIN 800-10864K	244°	244°	±33'-0"	±33'-0"	±350'	FIBER
GAMMA SECTOR	C1	LTE-1C/2C	LTE-1C/2C	CCI HPA-65R-BUU-H4-K	CCI HPA-65R-BUU-H4-K	334°	334°	±33'-0"	±33'-0"	±300'	FIBER
	C2	DUMMY	**LTE-4C/6C**	POWERWAVE RA21.7750.00	**QUINTEL QS4658-3e**	334°	334°	±33'-0"	±33'-0"	±300'	FIBER
	C3	UMTS	UMTS/ **LTE-6C**	POWERWAVE RA21.7750.00	**QUINTEL QS4658-3e**	334°	334°	±33'-0"	±33'-0"	±300'	COAX
	C4	LTE-3C	LTE-3C/**5C**	KATHREIN 800-10864K	KATHREIN 800-10864K	334°	334°	±33'-0"	±33'-0"	±300'	FIBER

NOTES TO CONTRACTOR

1. CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.
2. CABLE LENGTHS WERE DETERMINED BASED ON A VISUAL INSPECTION DURING SITE WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK.
3. CONTRACTOR TO USE ROSENBERGER FIBER LINE HANGER COMPONENTS (OR ENGINEER APPROVED EQUAL).
4. CONTRACTOR TO USE CABLES SPECIFIED (OR ENGINEER APPROVED EQUAL).

REMOTE RADIO UNITS (RRU'S)

	SECTOR	RRU TYPE	(E)	(N)	RRU LOCATION (DISTANCE FROM ANTENNA)	MINIMUM CLEARANCES		
						ABOVE	BELOW	SIDES
ALPHA SECTOR	A1	ERICSSON RRUS-11 (700 MHz) & ERICSSON RRUS-12 (PCS-4T4R)	3	–	<15'-0"	16"	8"	0"
	A2	**ERICSSON RRUS-32 B66 (AWS-3) & ERICSSON RRUS-4478 B14 (FIRSTNET)**	–	**2**	<15'-0"	16"	8"	0"
	A3	–	–	–	–	–	–	–
	A4	ERICSSON RRUS-32 (WCS) & **ERICSSON RRUS-E2 (700DE)**	1	**1**	<15'-0"	16"	8"	0"
BETA SECTOR	B1	ERICSSON RRUS-11 (700 MHz) & ERICSSON RRUS-12 (PCS-4T4R)	3	–	<15'-0"	16"	8"	0"
	B2	**ERICSSON RRUS-32 B66 (AWS-3) & ERICSSON RRUS-4478 B14 (FIRSTNET)**	–	**2**	<15'-0"	16"	8"	0"
	B3	–	–	–	–	–	–	–
	B4	ERICSSON RRUS-32 (WCS) & **ERICSSON RRUS-E2 (700DE)**	1	**1**	<15'-0"	16"	8"	0"
GAMMA SECTOR	C1	ERICSSON RRUS-11 (700 MHz) & ERICSSON RRUS-12 (PCS-4T4R)	3	–	<15'-0"	16"	8"	0"
	C2	**ERICSSON RRUS-32 B66 (AWS-3) & ERICSSON RRUS-4478 B14 (FIRSTNET)**	–	**2**	<15'-0"	16"	8"	0"
	C3	–	–	–	–	–	–	–
	C4	ERICSSON RRUS-32 (WCS) & **ERICSSON RRUS-E2 (700DE)**	1	**1**	<15'-0"	16"	8"	0"

SURGE SUPPRESSION SYSTEM

	MANUFACTURER	PART NUMBER	(E)	(N)	LOCATION
SYSTEM	RAYCAP	DC12-48-60-RM	1	–	MOUNTED ON EXISTING LTE RACK
	RAYCAP	DC2-48-60-0-9E	3	–	MOUNTED AT ANTENNA SECTORS
	RAYCAP	FC12-PC6-10E	1	–	MOUNTED ON EXISTING BUILDING ROOFTOP
	RAYCAP	DC6-48-60-18-8F	3	–	MOUNTED AT ANTENNA SECTORS

OPTIMUM FIBER OPTIC TRANSMISSION AND DC POWER CABLE SCHEDULE

	FIBER OPTIC TRANSMISSION CABLES						DC POWER CABLES								
	FROM LTE DUS TO DC6			FROM DC6 TO RRU			FROM DC12 TO FC12			FROM DC12 TO DC6			FROM DC6 TO RRU		
	PART#	QTY	LENGTH	PART#	QTY	LENGTH	PART#	QTY	LENGTH	PART#	QTY	LENGTH	PART#	QTY	LENGTH
ALPHA	FB-L98B-002-XXX	1*	310'	FB-L98B-006-XXX	4	≤15'	WR-VG86ST-BRD	0	N/A	WR-VG82ST-BRDA	3	310'	WR-VG122ST-BRDA	4	≤15'
BETA				FB-L98B-006-XXX	4	≤15'				WR-VG82ST-BRDA	3	310'	WR-VG122ST-BRDA	4	≤15'
GAMMA				FB-L98B-006-XXX	4	≤15'				WR-VG82ST-BRDA	3	310'	WR-VG122ST-BRDA	4	≤15'

PART NUMBERS PROVIDED ARE FOR ROSENBERGER PRODUCTS.
*EACH FB-L98B-002-XXX (12) PAIR FIBER TRUNK CABLE TRANSMITS SIGNAL FOR UP TO (12) RRU'S.
**EACH WR-VG86ST-BRD (6) CONDUCTOR POWER CABLE SUPPLIES POWER FOR UP TO TO (3) RRU'S, (1) PER SECTOR.

ANTENNA AND RRU SCHEDULES | 1

NOT USED | 2

APPLICANT:

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LICENSER:

REGISTERED PROFESSIONAL ENGINEER CHRIS S. LEE 76549 CIVIL STATE OF CALIFORNIA

PROJECT INFORMATION:

LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

ANTENNA AND RRU SCHEDULES

SHEET NUMBER:

A-3.1

SCALE NOTE:
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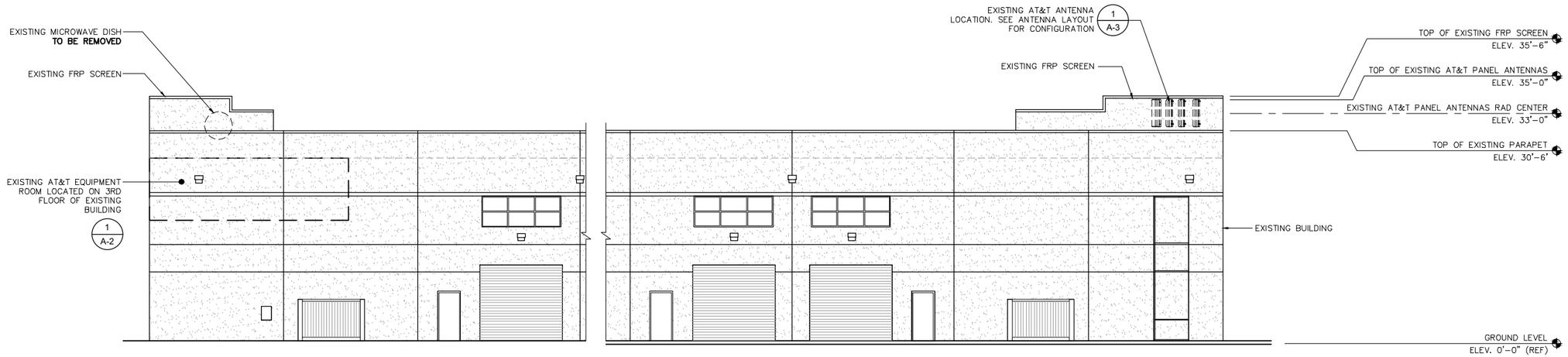
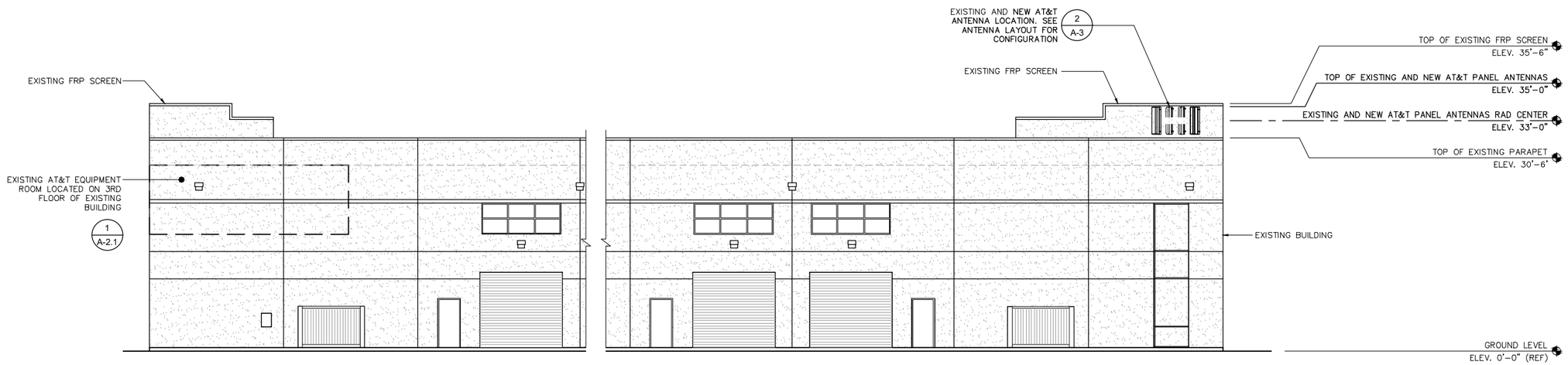


EXISTING NORTH ELEVATION

SCALE 1/8"=1'-0" | 8' 0 4' 8' 16' 32' | 1



NEW NORTH ELEVATION

SCALE 1/8"=1'-0" | 8' 0 4' 8' 16' 32' | 2

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5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

EXISTING AND NEW
NORTH ELEVATIONS

SHEET NUMBER:

A-4

SCALE NOTE:

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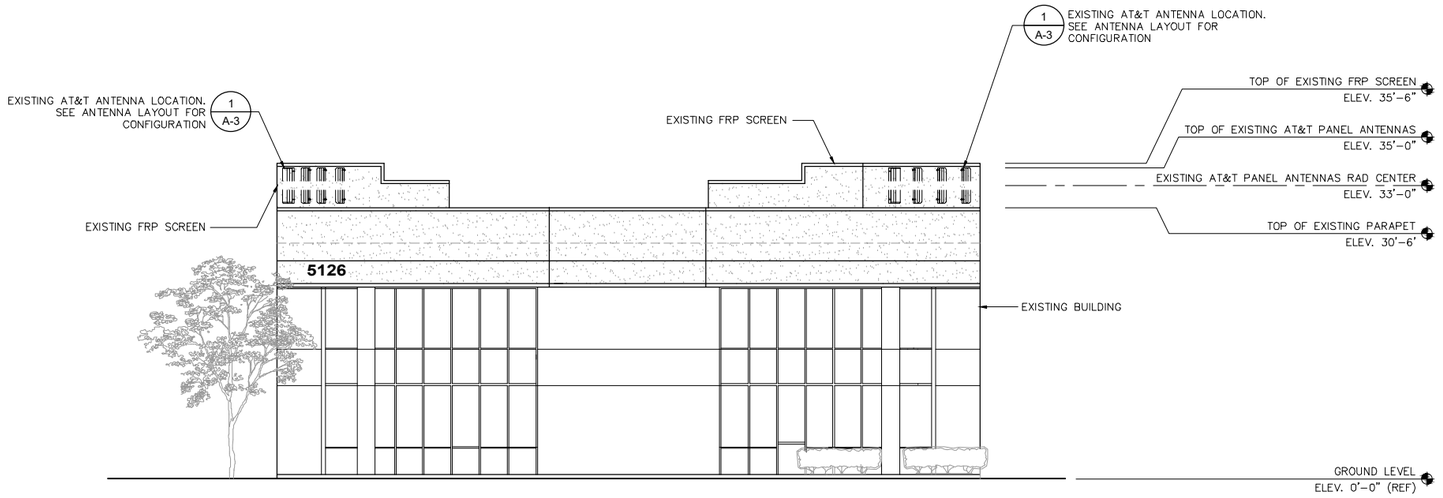
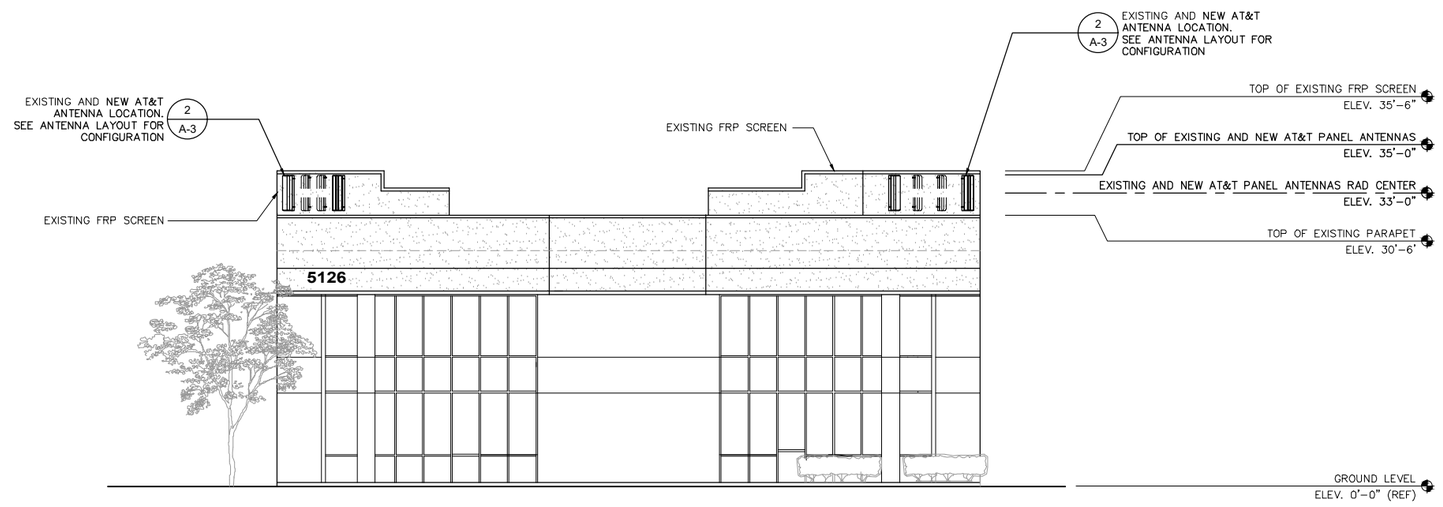


EXISTING WEST ELEVATION

SCALE 1/8"=1'-0" | 8' 0 4' 8' 16' 32' | 1



NEW WEST ELEVATION

SCALE 1/8"=1'-0" | 8' 0 4' 8' 16' 32' | 2

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SHEET TITLE:

EXISTING AND NEW
WEST ELEVATIONS

SHEET NUMBER:

A-5

SCALE NOTE:

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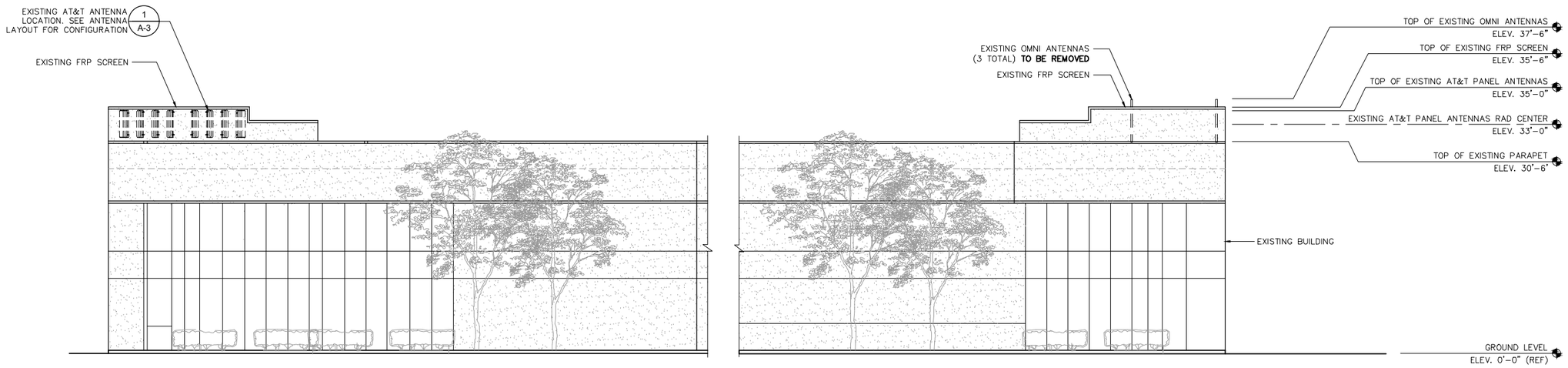
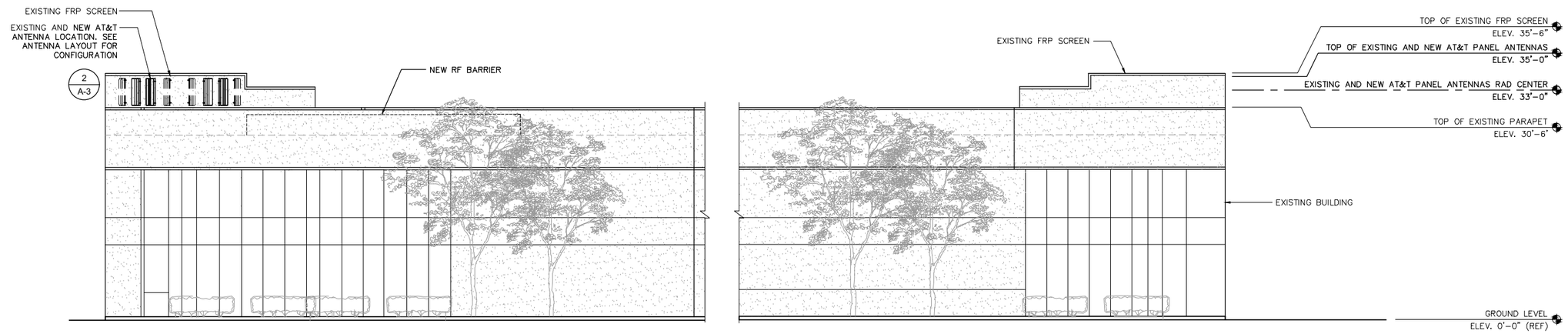


EXISTING SOUTH ELEVATION

SCALE 1/8"=1'-0" | 8' 0 4' 8' 16' 32' | 1



NEW SOUTH ELEVATION

SCALE 1/8"=1'-0" | 8' 0 4' 8' 16' 32' | 2

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SHEET TITLE:

EXISTING AND NEW SOUTH ELEVATIONS

SHEET NUMBER:

A-6

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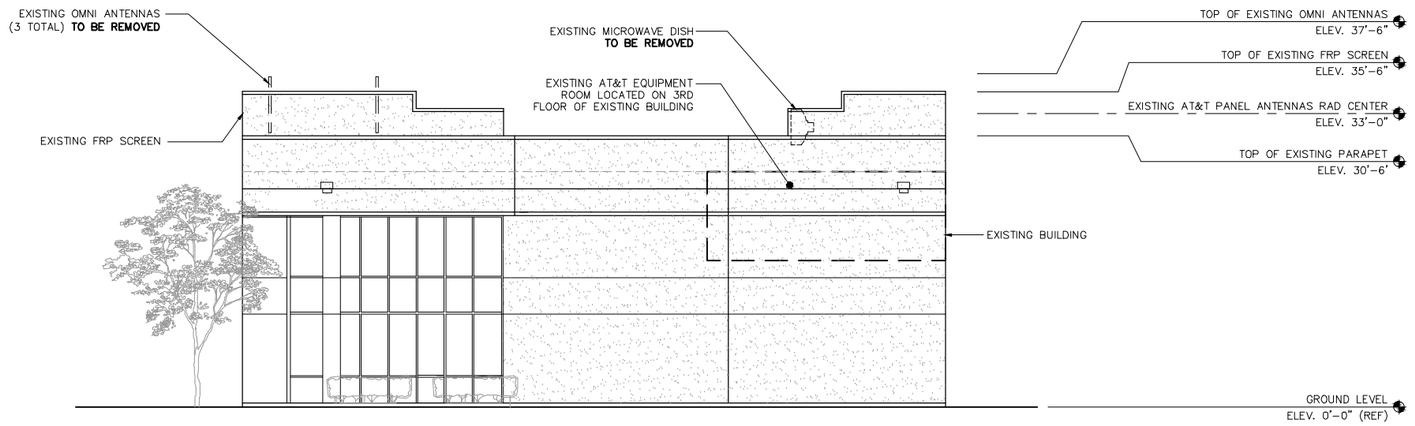
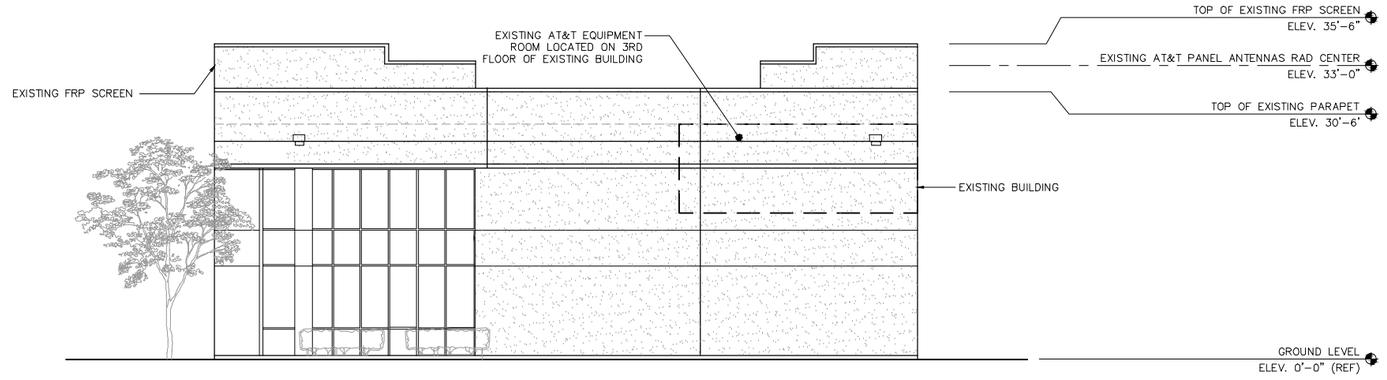


EXISTING EAST ELEVATION

SCALE 1/8"=1'-0" (8' 0 4' 8' 16' 32')

1



NEW EAST ELEVATION

SCALE 1/8"=1'-0" (8' 0 4' 8' 16' 32')

2

APPLICANT:

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SHEET TITLE:

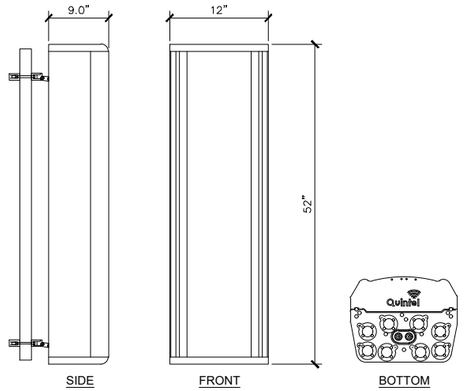
EXISTING AND NEW
EAST ELEVATIONS

SHEET NUMBER:

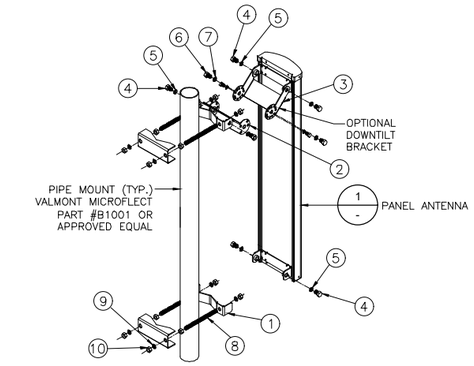
A-7

QUINTEL - QS4658-3e

DIMENSIONS (LxWxD):	52.0 x 12 x 9 INCHES (1320 x 304 x 228 mm)
WEIGHT EXCL MOUNTING BRACKETS:	69.4lbs (31.5 kg)
NO. OF CONNECTORS	8 (2 PER OPERATING BAND)
CONNECTOR TYPE:	7/16 DIN FEMALE LONG NECK
OPERATING TEMPERATURE:	-40°C TO +65°C
MAX WIND SPEED:	150 mph (64m/s)
WIND LOAD AT 100mph:	156 lbs (692 N) @ 100 mph (161 kph)
FRONTAL:	445N (100lbs)
SIDE:	267N (60lbs)



ANTENNA SPECIFICATIONS | 1



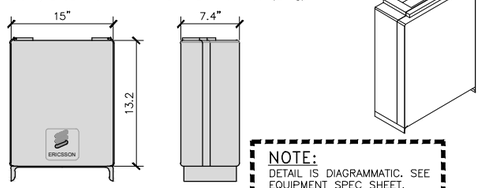
NOTES:
1. INSERT SCISSOR BRACKETS BETWEEN THE UPPER ANTENNA MOUNTING BRACKET AND THE UPPER POLE ADAPTER BRACKET. SECURE USING 1/2 INCH HARDWARE PROVIDED.
2. TO SET THE DEGREE OF DOWNTILT, ALIGN THE DESIRED HOLES ON THE SCISSOR BRACKETS AND SECURE USINT 5/16 INCH HARDWARE PROVIDED.
3. THE NUMBER OF CONNECTORS WILL VARY BASED ON ANTENNA TYPE.

ITEM	QTY	DESCRIPTION
1	1	ADAPTER, POLE, LOWER
2	1	BRACKET, DOWNTILT, POLE
3	1	BRACKET, DOWNTILT, ANTENNA
4	6	1/2 x 1 HEX HEAD BOLT
5	6	1/2 SPLIT WASHER
6	2	5/16 x 1 HEX HEAD BOLT
7	2	5/16 SPLIT WASHER
8	4	1/2" THREADED ROD
9	8	1/2" SPLIT WASHER
10	12	1/2" NUT

ANTENNA MOUNTING DETAIL | 2

ERICSSON RRUS-4478 B14

CPRI 2 PORTS x 2.5/4.9/9.8/10.1 Gbps
MAX WIND LOAD @ 50m/sec = 260N
BREAKER SIZE = 25A, DC POWER CONSUMPTION = 880W
200mm HORIZONTAL SEPARATION REQUIRED FOR SIDE BY SIDE MOUNTING
200mm SEPARATION REQUIED ROM ANTENNA BACKPLANE TO RADIO
600mm/800mm VERTICAL OUTDOOR/INDOOR SEPARATION REQUIRED
DIMENSIONS: H: 15"(420mm) W: 13.2"(342mm) D: 7.3"(196mm)
WEIGHT, EXCL. MOUNTING HARDWARE = 59.4lbs (27kg)

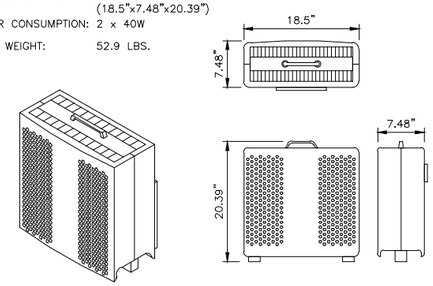


NOTE:
DETAIL IS DIAGRAMMATIC. SEE EQUIPMENT SPEC SHEET.

RRUS-4478 B14 SPECIFICATIONS | 3

ERICSSON RRUS-E2

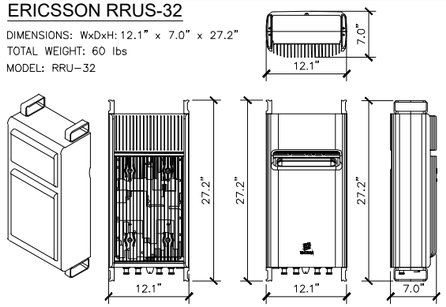
DIMENSIONS, WxDxH: 470x190x518 mm (18.5"x7.48"x20.39")
POWER CONSUMPTION: 2 x 40W
TOTAL WEIGHT: 52.9 LBS.



RRUS-E2 SPECIFICATIONS | 5

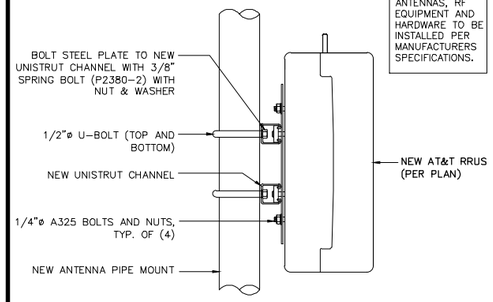
ERICSSON RRUS-32

DIMENSIONS: WxDxH: 12.1" x 7.0" x 27.2"
TOTAL WEIGHT: 60 lbs
MODEL: RRU-32



RRUS-32 SPECIFICATIONS | 4

NOTE:
ANTENNAS, RF EQUIPMENT AND HARDWARE TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.



RRU MOUNTING DETAIL | 6

ERICSSON BASEBAND - 5216

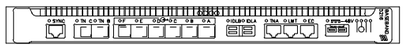
DIMENSIONS (WxDxH): 31x280x350 mm (1.22"x11.02"x13.78")

BBU 5216 CONTAINS BUILT-IN CELL SITE ROUTER FUNCTIONALITY & IS EQUIPPED WITH ETHERNET PORTS FOR TRANSPORT, WHICH CAN BE USED FOR RESILIENCY OR FOR CONNECTING SITE EQUIPMENT.
TN A: 1x GigE (Gbps Electrical Ethernet) RJ-45 Ethernet port
TN B and TN C: 2x 1Gbps Electrical/Optical Ethernet (SFP+)

6x 2.5G TO 10G SFP/SFP + CPRI PORTS

2x IDLe PORTS

BBU 5216 SUPPORTS 2.5 GB, 5 GB AND 10 CPRI CONNECTIONS.

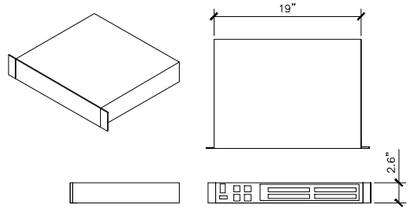


BBU 5216 SPECIFICATIONS | 7

ERICSSON RBS 6601

DIMENSIONS (WxDxH): 66x483x350 mm (2.6"x19"x14")

TEMPERATURE: +41°F TO +122°F
HUMIDITY: 5% - 85%
POWER SUPPLY: -48 VDC
TOTAL WEIGHT: 16 LBS.



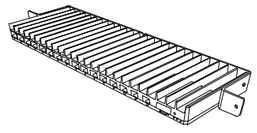
RBS 6601 V2 CHASSIS SPECIFICATIONS | 9

ERICSSON BASEBAND R503 XMU
BASEBAND AUXILARY MULTIPLEXING UNIT

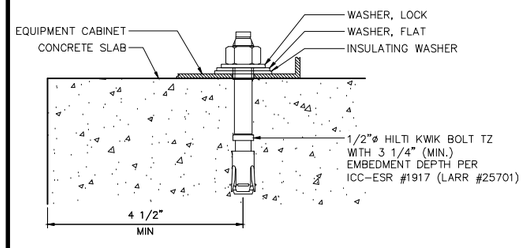
DIMENSIONS (HxWxD): 1.22" x 13.8" x 11" (with solar shield and handle)
WEIGHT: 5 lbs
HEAD DISSIPATION: 50W

PLATFORM FOR CPRI MULTIPLEXING AND DE-MULTIPLEXING
- -16x SFP+ PORTS
  - PLUGGABLE OPTICAL TRANSCEIVERS
  - DIRECT ATTACH CABLES
- -48V DC POWERING
- -FANLESS

TARGET RELEASE - L14B
- -2x (10Gbps -> 4x 2.5 Gbps)



XMU SPECIFICATIONS | 8



EQUIPMENT ANCOHRNG | 10

EMERSON NETSURE - 721 DC POWER SYSTEM

DC POWER SYSTEM FEATURES:

NOMINAL SYSTEM VOLTAGE:	-48 VDC or
CONTROL:	MICROPROCESSOR (ACU+)

RATED OUTPUT CAPACITY - MAXIMUM CONFIGURATION

SYSTEM:	525 amps at -48 VDC plus redundancy 400 amps at +24 VDC plus redundancy
BAY:	1500 amps at -48 VDC plus redundancy
SHELF:	250 AMPS AT +48 VDC PLUS REDUNDANCY
RECTIFIER:	2000 watts (41.7 A)
CONVERTER:	1500 watts (50 A)
DISTRIBUTION PANEL (TOP): (BOTTOM):	600 AMPS AT -48 VDC, 500 AMPS AT +24 VDC

PHYISCAL CHARACTERISTICS:

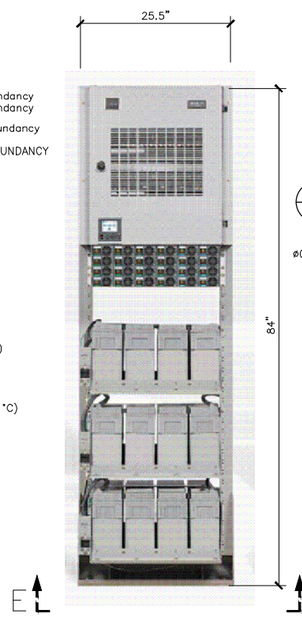
FRAMEWORK TYPE:	Relay rack (can be mounted in enclousure)
MOUNTING WIDTH:	23"
MOUNTING DEPTH ACCESS:	20" (SINGLE BAY), 24" (DUAL BAY)

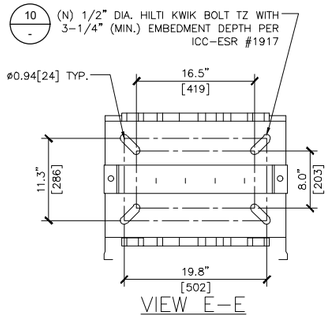
ENVIRONMENTAL:

OPERATING TEMPERATURE:	-40 °F to 115 °F (-40 °C to 46 °C) continuous operation
HUMIDITY:	0% to 95% relative humidity, non-condensing
STORAGE:	-40°F TO 185°F (-40°C TO 85°C)
VENTILATION:	Rectifiers/converters are fan-cooled front to rear
SAFETY COMPLIANCE:	UL 1801 Listed (US & Canada), NEBS Level 3

NOTES:

POWER PLAN NetSure 721 POWER SYSTEM
BY EMERSON OR EQUAL APPROVED BY AT&T.





POWER PLANT SPECIFICATIONS | 11

APPLICANT:

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1452 EDINGER AVENUE,
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ENGINEER:

Eukon
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www.eukongroup.com

DRAWN BY:	CV/JPG/MAG
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REVISIONS:

REV	DATE	DESCRIPTION
0	07/22/19	100% CONSTRUCTION DRAWING
A	01/15/18	90% CONSTRUCTION DRAWING

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
CHRIS S. LEE
76549
CIVIL
STATE OF CALIFORNIA

PROJECT INFORMATION:

LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

EQUIPMENT AND CONSTRUCTION DETAILS

SHEET NUMBER:

A-8

EMERSON - NETSURE VRLA BATTERY RACK

TECHNICAL SPECIFICATIONS:

RATED OUTPUT CAPACITY:

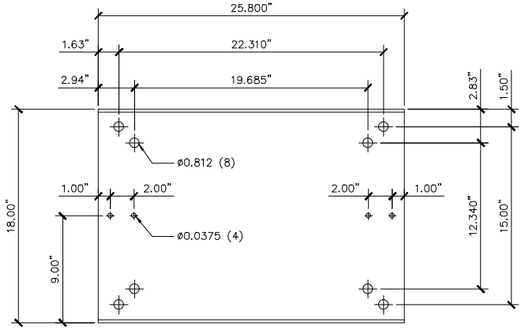
OUTPUT:	+24 VOLTS DC OR −48 VOLTS DC
CAPACITY:	1200 AMPS PER BAY

ENVIRONMENTAL:

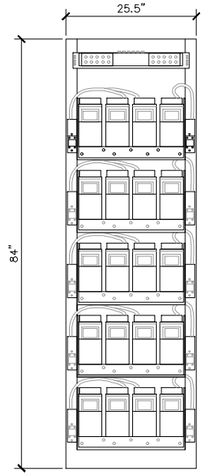
OPERATING TEMPERATURE:	−40 °C TO +40 °C (−40 °F TO +104 °F)
STORAGE RANGE:	−40 °C TO +85 °C (−40 °F TO +185 °F)
SAFETY COMPLIANCE:	UL LISTED AND SEISMIC ZONE 4 COMPLIANT

PHISICAL CHARACTERISTICS:

RACK DIMENSIONS (HxWxD):	84"x25.5"x24.4"
RACK WEIGHT (WITHOUT BATTERIES):	600lbs.

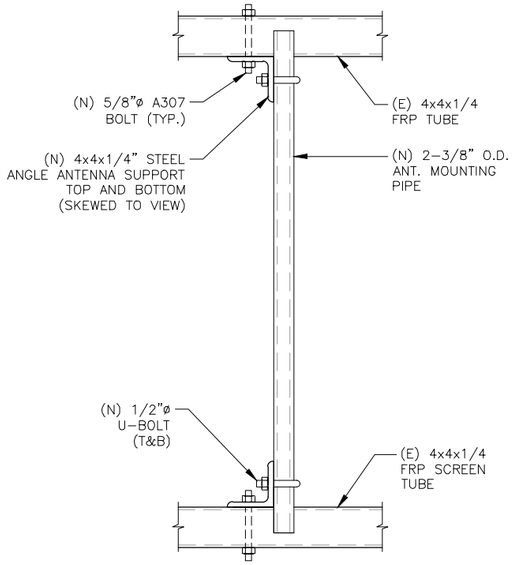


BOLTDOWN PATTERN



ELEVATION

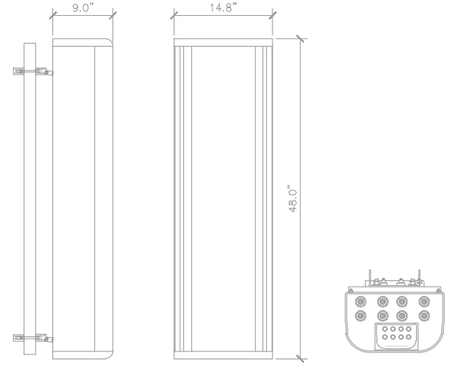
BATTERY RACK SPECIFICATIONS | 1



ANTENNA PIPE TO FRP FRAMING DETAIL | 2

CCI - HPA-65R-BUU-H4-K

DIMENSIONS (LxWxD):	48.0 x 14.8 x 9.0 INCHES (1218 x 376 x 229 mm)
SURVIVAL WIND SPEED:	> 150 mph
FRONT WIND LOAD:	156 lbs (692 N) @ 100 mph (161 kph)
SIDE WIND LOAD:	102 lbs (453 N) @ 100 mph (161 kph)
EQUIVALENT FLAT PLATE AREA:	6.1 ft² (0.60 m²)
WEIGHT (WITHOUT MOUNTING):	39 lbs
RET SYSTEM WEIGHT:	6.6 lbs (3.0 kg)
CONNECTOR:	6; 7–16 DIN FEMALE LONG NECK
MOUNTING POLE:	2–5 INCHES (5–12 cm)

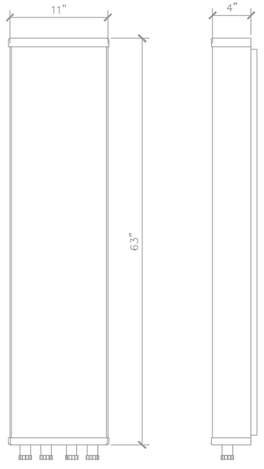


SIDE FRONT BOTTOM

EXISTING ANTENNA SPECIFICATIONS | 3

POWERWAVE - RA21.7750.00

DIMENSIONS, HxWxD:	1621x280x125(63"x11"x4")
RADOME MATERIAL:	PVC, IP55
RADOME COLOR:	LIGHT GREY
WEIGHT WITH PRE-MOUNTED BRACKETS:	40 LBS
WIND LOAD, FRONTAL/LATERAL/REAR SIDE 42 mpS, Cd=1:	415
MAXIMUM OPERATIONAL WIND SPEED:	42 (93)
SURVIVAL WIND SPEED, MPH:	55 (123)
CONNECTOR:	4x7/16 DIN FEMALE 2X AISG

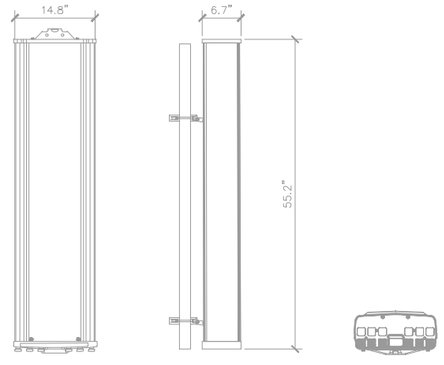


FRONT SIDE

EXISTING ANTENNA SPECIFICATIONS | 4

KATHREIN - 800-10864K

INPUT:	6 x 7–16 FEMALE
CONNECTOR POSITION:	BOTTOM
ADJUSTMENT MECHANISM:	FlexRET, CONTINUOUSLY ADJUSTABLE
WIND LOAD (AT RATED WIND SPEED 150km/h:	MAXIMUM 870 N/196 lbf FRONTAL 840 N/189 lbf LATERAL 270 N/61 lbf REARSIDE 870 N/196 lbf
MAX. WIND VELOCITY:	241 km/h / 150 mph
DIMENSIONS (LxWxD):	55.2 x 14.8 x 6.7 INCHES (1402 x 377 x 169 mm)
CATEGORY OF MOUNTING HARDWARE:	H (HEAVY)
WEIGHT:	25.0 kg / 27.2 kg (CLAMPS INCL.) 55.1 lb / 59.9 lb (CLAMPS INCL.)

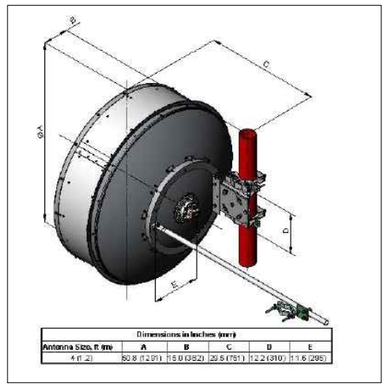


FRONT SIDE BOTTOM

EXISTING ANTENNA SPECIFICATIONS | 5

COMMSCOPE - HPA-107-P3A/B

DIMENSIONS, HxLxW:	840x1430x1430 mm (33.1"x56.3"x56.3")
GROSS WEIGHT, PACKED ANTENNA:	370.4 LBS.
VOLUME:	1.7 m³



Dimensions in Inches (mm)					
Antenna Size, ft (m)	A	B	C	D	E
4 (1.2)	50.8 (1291)	15.0 (382)	29.5 (751)	12.2 (310)	11.6 (295)

EXISTING MICROWAVE DISH SPECIFICATIONS | 6

NOT USED | 7

APPLICANT:

The new at&t

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TUSTIN, CA 92780

ENGINEER:

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www.eukongroup.com

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LICENSER:

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CHRIS S. LEE
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STATE OF CALIFORNIA

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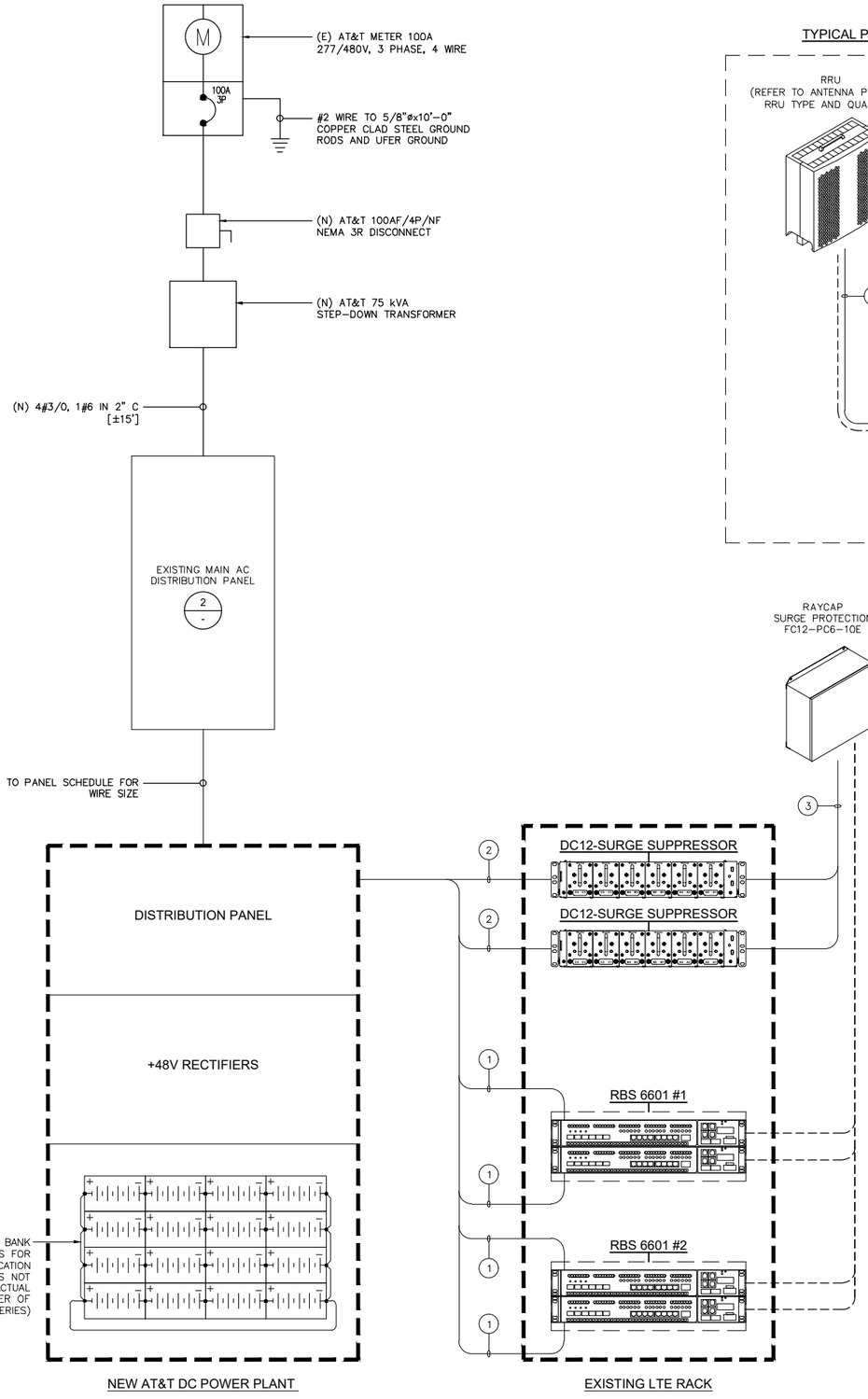

MAIN AC DISTRIBUTION PANEL

MOUNTING: SURFACE — VOLTS 120/208 — PHASE 3 — WIRE 4 — MAIN 200A/3P — BUS 200AMP — A.I.C. 42k SERIES W/ MAIN

WIRE SIZE	LOCATION	A	B	C	LTG	CONV	KIT	RECP	MISC	BKR	CIRC	ABC	CIRC	BKR	MISC	RECP	KIT	CONV	LTG	A	B	C	LOCATION	WIRE SIZE
10	(N) RECTIFIER #1,2	1650							1	30/2	1	A	2	20/1	1					500			(E) M549 P	
			1650						1	-	3	B	4	20/1					1		580		(E) LIGHTS	
10	(N) RECTIFIER #3,4			1650					1	30/2	5	C	6	20/1	1							100	(E) FIRE ALARM PANEL	
		1650							1	-	7	A	8	30/3	1					2880				
10	(N) RECTIFIER #5,6		1650						1	30/2	9	B	10	-	1						2880		(E) A/C #1	
				1650					1	-	11	C	12	-	1							2880		
10	(N) RECTIFIER #7,8	1650							1	30/2	13	A	14	30/3	1					2880				
			1650						1	-	15	B	16	-	1						2880		(E) A/C #2	
10	(N) RECTIFIER #9,10			1650					1	30/2	17	C	18	-	1							2880		
		1650							1	-	19	A	20	20/1	1					1920			(E) AUX EQUIPMENT	
10	(N) RECTIFIER #11,12		1650						1	30/2	21	B	22	20/2	1						1664			
				1650					1	-	23	C	24	-	1							1664	(E) FC #2	
10	(N) RECTIFIER #13	825							1	30/2	25	A	26	20/1	1					1920			(E) AUX EQUIPMENT	
			825						1	-	27	B	28	20/2	1						1664		(E) FC #1	
10	(N) POWER PLANT GFI			180				1		20/1	29	C	30	-	1							1664		
										-	31	A	32	20/1		1				180			(E) MICRO RACK OUTLETS	
										-	33	B	34	-										
										-	35	C	36	-										
										-	37	A	38	-										
										-	39	B	40	-										
										-	41	C	42	-										
		A= 17705									B= 17093									C= 15968				
		W/LCL A= 17705									W/LCL B= 17238									W/LCL C= 15968				
	TOTAL VA=	50766	W/LCL=	50911							W/LCL AMPS= **141**									TOTAL LCL= 580			X .25 = 145	
	HIGH PHASE VA=	17705	W/LCL=	17705							HIGH PH W/LCL AMPS= **148**									HIGH PHASE LCL= 0			X .25 = 0	

MAIN AC DISTRIBUTION PANEL | 2

DC CIRCUIT SCHEDULE

NO.	FROM	TO	CONFIGURATION
1	POWER PLANT (15A BREAKER)	LTE BASE BAND UNITS	(2) #10 RHH DC CABLE
2	POWER PLANT (25A BREAKER)	RAYCAP SURGE PROTECTION DC12-48-60-RM	(2) #10 RHH DC CABLE
3	RAYCAP SURGE PROTECTION DC12-48-60-RM	RAYCAP SURGE PROTECTION FC12-PC6-10E	(2) #8 RHH DC CABLE
4	RAYCAP SURGE PROTECTION FC12-PC6-10E	RAYCAP SURGE PROTECTION DC6-48-60-18-8F	(1) 2-#10 THHN/THWN-VW-1 TYPE TC-ER DC CABLE
5	RAYCAP SURGE PROTECTION DC6-48-60-18-8F	RRU	(1) 2-#10 THHN/THWN-VW-1 TYPE TC-ER DC CABLE

BREAKER SCHEDULE AT NEW POWER PLANT

NO.	LOAD NAME	TRIP
1	LTE BASEBAND UNITS	15A (DC BREAKER) X 2
2	RRU SECTOR "A"	25A (DC BREAKER) X 7
3	RRU SECTOR "B"	25A (DC BREAKER) X 7
4	RRU SECTOR "C"	25A (DC BREAKER) X 7

NOTES:

1. DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V. REFER TO ATT-002-290-701.
2. LTE POWER WIRING SHALL BE IN ACCORDANCE WITH ATT-002-290-531.

ELECTRICAL SINGLE LINE DIAGRAM | 1

APPLICANT:

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LICENSER:

REGISTERED PROFESSIONAL ENGINEER
JAMES DRUMMOND
No E-19043
Exp. 3/31/20
ELECTRICAL
STATE OF CALIFORNIA

PROJECT INFORMATION:

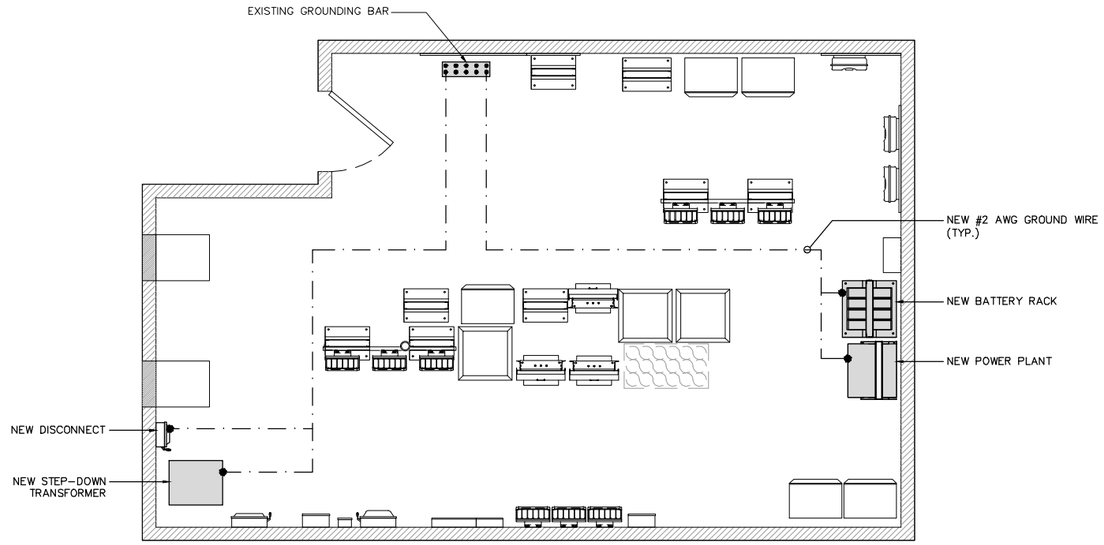
LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

ELECTRICAL SINGLE LINE DIAGRAM / PANEL SCHEDULE

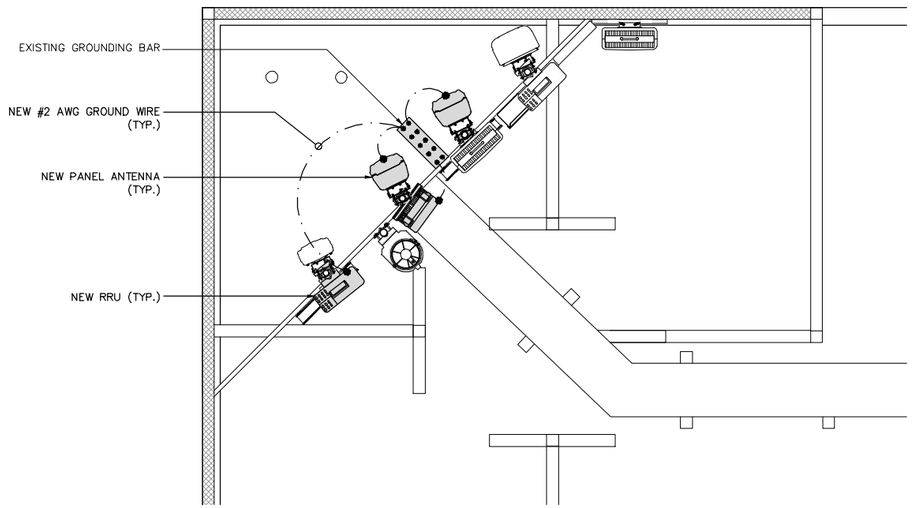
SHEET NUMBER:

E-1



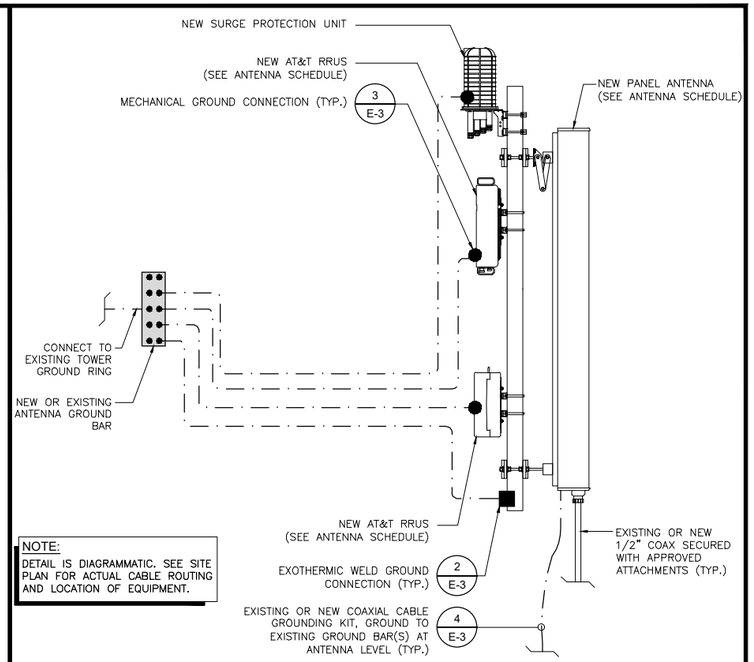
EQUIPMENT & ANTENNA GROUNDING

SCALE 3/8"=1'-0" | 2' 0 1' 2' 4' 8' | 1



TYPICAL ANTENNA GROUNDING PER SECTOR

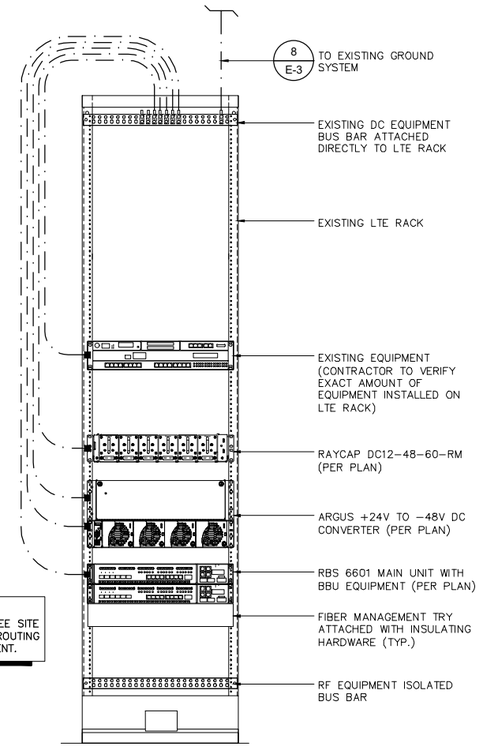
SCALE 1/2"=1'-0" | 2' 0 1' 2' 4' 8' | 2



NOTE:
DETAIL IS DIAGRAMMATIC. SEE SITE PLAN FOR ACTUAL CABLE ROUTING AND LOCATION OF EQUIPMENT.

EQUIPMENT & ANTENNA GROUNDING

SCALE NONE | 3



NOTE:
DETAIL IS DIAGRAMMATIC. SEE SITE PLAN FOR ACTUAL CABLE ROUTING AND LOCATION OF EQUIPMENT.

EQUIPMENT RACK GROUNDING

SCALE NONE | 4

APPLICANT:

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1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

Eukon
an SFC Communications, Inc. Company
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DRAWN BY:	CV/JPG/MAG
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REVISIONS:

REV	DATE	DESCRIPTION
0	07/22/19	100% CONSTRUCTION DRAWING
A	01/15/18	90% CONSTRUCTION DRAWING

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
JAMES DRUMMOND
No E-19043
Exp. 3/31/20
ELECTRICAL
STATE OF CALIFORNIA

PROJECT INFORMATION:

LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

GROUNDING PLANS AND DETAILS

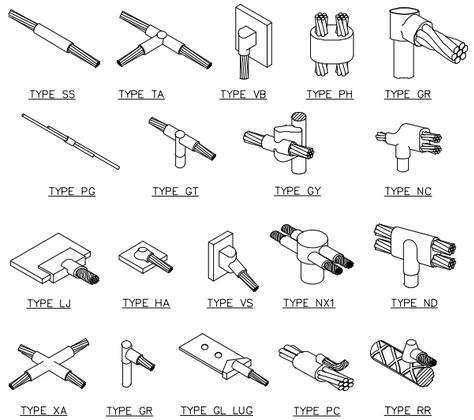
SHEET NUMBER:

E-2

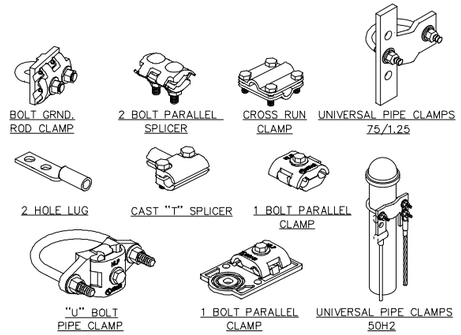
GROUNDING NOTES | 1

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMTNS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
5. GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
6. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
7. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
8. GROUND BARS: AN EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR. MAIN GROUND BUS BAR (MGB) LOCATED NEAR THE BASE OF THE RADIO EQUIPMENT CABINET(S) SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
9. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
10. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
11. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
12. IF EQUIPMENT IS IN A C.L. FENCE ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OG GATE. IF CHAIN LINK LID IS USED, THEN GROUND LID ALSO.
13. GROUNDING @ PPC CABINET SHALL BE VERTICALLY INSTALLED.
14. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUS BAR.
15. ALL EMT RUNS SHALL BE GROUNDED AND HAVE BUSHING. NO PVC ABOVE GROUND.
16. USE SEPARATE HOLES FOR GROUNDING @ BUS BAR. NO "DOUBLING-UP"OF LUGS.
17. POWER AND TELCO CABS, SHALL BE GROUNDED (BONDED) TOGETHER.
18. NO "LB'S" ALLOWED ON GROUNDING RUNS.

EXOTHERMIC WELD CONNECTION | 2



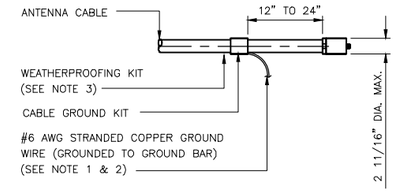
MECHANICAL CONNECTION | 3



CONNECTION OF CABLE GND. KT TO ANT. | 4

NOTES:

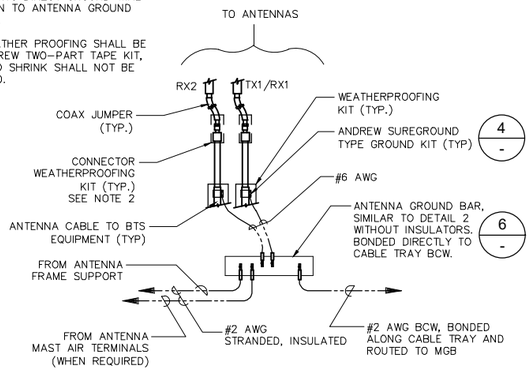
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.)



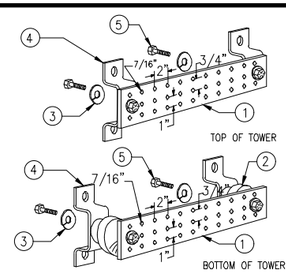
GND. CONNECTION OF GND. WIRE TO GND. BAR | 5

NOTES:

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



TYPICAL GROUND BAR | 7

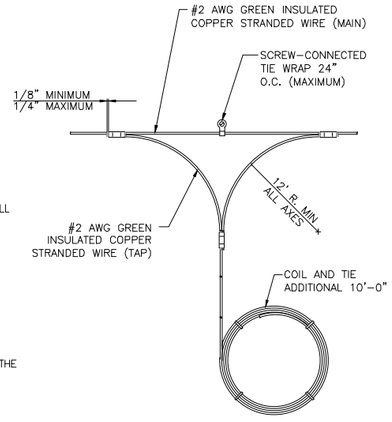


LEGEND

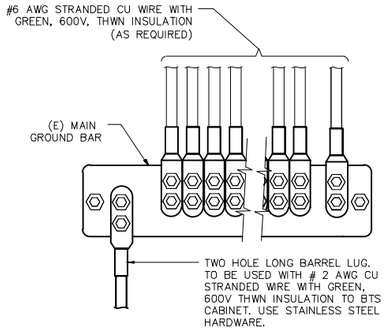
1. COPPER GROUND BAR, 1/4"X 4"X 10", NEWTON INSTRUMENT CO. CAT. NO. B-6142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR EQUAL
3. 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 OR EQUAL
4. WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056 OR EQUAL
5. 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT NO. 3012-1 OR EQUAL
6. INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPOLE STRUCTURE. CONNECTION TO TOWER/MONOPOLE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS.

HALO GROUNDING NOTES | 8

1. HALO GROUND SHALL BE #2 AWG STRANDED GREEN COPPER WIRE.
2. VERTICAL DROPS SHALL BE #2 AWG STRANDED GREEN COPPER WIRE.
3. ALL BENDS SHALL MAINTAIN A MINIMUM 6" BEND RADIUS.
4. APPLY ANTI-OXIDATION COMPOUND TO ALL CONNECTIONS.
5. 1 1/2" SCH. 40 PVC CAST AT A 45° ANGLE
6. ALL GROUNDING WIRES FOR HVAC GRILLS, BOXES, DOORS, CABLE TRAYS, ETC., SHALL BE #6 AWG GREEN STRANDED COPPER WIRE AND A 2-HOLE LUG.
7. BARE COPPER CONDUCTORS SHALL NOT BE IN CONTACT WITH ANY DISSIMILAR MATERIAL. PLACE ON STANDOFFS IF NECESSARY TO ALLOW FOR PROPER INSTALLATION.
8. ALL GROUNDING CONDUCTORS SHALL BE KEPT AS SHORT AS POSSIBLE. THE SHORTEST PRACTICAL ROUTE SHALL BE CHOSEN WITH THE LEAST AMOUNT OF BENDS AND SPLICES, USE THIS RULE AT ALL TIMES, EVEN IF ELEVATION PLAN CONFLICTS. PLANS ARE SOMETIMES UNCLEAR DUE TO SCALE.
9. ALL CONNECTIONS TO GROUND BARS SHALL BE WITH A 2-HOLE LUG, UNO.
10. ALL SOLID WIRE SHALL USE A 2-HOLE LONG-BARREL LUG.
11. WHEN GROUNDING MORE THAN ONE PIECE OF EQUIPMENT, DO NOT USE THE EQUIPMENT AS A GROUNDING CONDUCTOR.
12. REMOVE ALL PAINT BENEATH THE SURFACE OF GROUND LUGS. INSTALL PANDUIT CLIP AN "Y" DROP AT CABLE TRAY TO AVOID CONTACT WITH CABLE TRAY.
13. ALL GROUND WIRES CONNECTING TO THE HALO SHALL CONNECT IN THE SHORTEST DIRECTION TO THE MAIN GROUND BAR.
14. INSTALL GROUND BAR UNDER INSTALLED COAX. ALL WIRING AT GROUND BAR IS TYPICAL FOR ALL LOCATIONS.



GROUNDING BAR DETAIL | 6



NOT USED | 9

APPLICANT:

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REGISTERED PROFESSIONAL ENGINEER
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No E-19043
Exp. 3/31/20
ELECTRICAL
STATE OF CALIFORNIA

PROJECT INFORMATION:

LAC549 (CLU2031)
AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

GROUNDING DETAILS

SHEET NUMBER:

E-3

MARATHON®

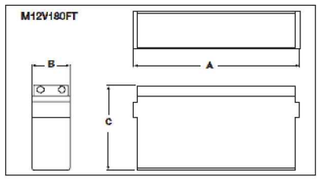
Marathon M12V180FT
Front Terminal Battery Specifications

GNB INDUSTRIAL POWER

SECTION 22.62 2011-04

MARATHON®

Model Number	Voltage	Capacity (AH) 8 hr to 1.75 VPC @ 25°C	Capacity (AH) 10 hr to 1.80 VPC @ 20°C	Nominal Dimensions Inches A	B	C	Nominal Dimensions Millimeters A	B	C	Nominal Weight lbs.	Kg
M12V180FT	12	180	175	22.00	4.90	12.50	559	124	318	133	60



Float Voltage & Charging

Constant Voltage charging is recommended

Recommended float voltage: 2.27 VPC @ 25°C (77°F)

Float Voltage Range: 2.25 to 2.30 VPC @ 25°C (77°F)

Equalize Voltage: 2.35 VPC for 24 Hours or 2.40 VPC for 12 Hours

NOTE: Design and/or specifications subject to change without notice. If questions arise, contact your local GNB Industrial Power sales representative for clarification

Marathon® M12V180FT Electrical Data

Model Number	Short Circuit Current Amps	Internal Resistance (mOhms)
M12V180FT	4147	3.0

Marathon M12V180FT Performance Specifications
Amperes @ 25° (77°F)

End Voltage Per Cell	Time 24 hr	20 hr	12 hr	10 hr	9 hr	8 hr	7 hr	6 hr	5 hr	4 hr	3 hr	2.3 hr	2 hr	1.5 hr	1 hr	0.5 hr
1.94 Final Volts Per Cell	6.4	7.6	12.2	14.4	16.9	17.7	20.0	22.6	26.1	31.2	39.4	46.5	54.9	66.1	84.8	154.0
1.92 Final Volts Per Cell	6.8	8.0	12.9	15.3	15.9	18.8	21.1	23.6	27.5	33.1	41.9	48.5	58.9	70.1	90.1	144.6
1.90 Final Volts Per Cell	7.1	8.4	13.6	16.1	17.8	19.8	22.0	24.8	28.9	34.8	44.0	51.2	61.6	73.6	101.7	164.5
1.87 Final Volts Per Cell	7.6	8.9	14.3	16.9	18.6	20.8	23.6	26.6	30.6	36.6	46.8	53.8	63.0	78.0	108.7	167.9
1.85 Final Volts Per Cell	7.9	9.1	14.8	17.3	19.1	21.3	24.1	27.1	31.3	37.4	47.1	54.4	66.0	81.7	112.7	173.2
1.83 Final Volts Per Cell	7.9	9.3	14.9	17.6	19.3	21.7	24.5	27.6	31.9	38.2	48.0	55.5	68.5	85.8	115.9	178.2
1.81 Final Volts Per Cell	7.9	9.4	15.1	17.9	19.7	22.0	24.9	27.9	32.3	38.7	48.8	56.5	67.8	85.0	118.2	181.4
1.80 Final Volts Per Cell	8.0	9.4	15.2	18.0	19.8	22.1	25.0	28.0	32.5	38.9	49.1	56.9	68.0	86.8	119.1	183.0
1.78 Final Volts Per Cell	8.0	9.5	15.3	18.1	20.0	22.3	25.2	28.2	32.7	39.2	49.5	57.4	68.7	86.7	120.9	191.0
1.75 Final Volts Per Cell	8.1	9.6	15.4	18.3	20.2	22.5	25.5	28.4	33.0	39.5	49.8	57.9	69.4	87.6	121.7	194.5

MARATHON®

From the World Leader in VRLA Battery Technology

Designed for durability in Telecommunications and Electric Utility applications, the GNB Industrial Power *MARATHON*® M12V180FT Battery provides high performance and reliability in long duration discharge applications. The location of the terminals on the front (vs. the top) of the battery greatly facilitates the installation and maintenance of the product when placed in a cabinet enclosure or on a standard relay rack tray. The *MARATHON*® M12V180FT Battery highlights another example of GNB Industrial Power's extensive experience and world wide leadership in VRLA technology.

"Designed in" Quality Manufacturing

Quality manufacturing processes for the **MARATHON®** M12V180FT Battery incorporates the industry's most advanced technologies including: an automated helium leak detection system, a computer controlled "fill by weight" acid filler, and a temperature controlled water bath formation process. Each and every unit is capacity tested.

High Performance MARATHON® M12V180FT Features

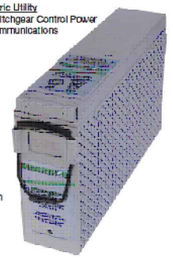
- **Patented "Diamond Side-Wall" Design** maintains structural integrity in higher operating temperatures
- **Durable Flame Retardant Polypropylene Container and Cover** complies with UL94 V-0; 28% L.O.I.
- **Carry Handles** facilitates ease of installation
- **High-Compression Absorbent Glass Mat (AGM) Technology** ensures greater than 99% recombination efficiency
- **Integrated Flash Arrestor** ultrasonically welded into cover for secure and safe protection
- **10 Year Design Life** in float applications @ 25°C (77°F); 12 year @ 20°C (68°F)
- **Superior Lead-Tin-Calcium Positive Alloy** helps to resist corrosion
- **Higher Vent Opening Pressure** minimizes unnecessary gassing; one-way self resealing device
- **Front Accessible Copper Alloy, 6 mm, Female Terminals** ensures low resistance, high integrity connections
- **"Easy On/Easy Off" Terminal Post Protector** provides added safety
- **Wider Bushing** allows access for larger probes
- **Footprint Ready** fits in all standard 23" Relay Rack Applications
- **Compliance:** Designed in accordance with IEC 60896-21/-22
- **No Transport Restrictions:** Complies with IATA/ICAO Special Provision A67; DOT-CFR Title 49; IMDG Amendment 34-08

Applications

The **MARATHON®** M12V180FT Battery incorporates GNB Industrial Power's advanced VRLA technology designed for long life and high performance in:

Telecommunications
- Distributed Power
- PCS
- Cellular
- Broadband

Electric Utility
- Switchgear Control Power
- Communications



FIRE DEPARTMENT NOTES

GENERAL

1.0 ADDRESS NUMBERS:

A. APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION SHALL BE PLACED IN A POSITION THAT PLAINLY LEGIBLE AND VISIBLE FROM THE STREET, ROAD, ALLEY, AND WALKWAYS GIVING ACCESS TO AND WITHIN THE PROPERTY.

2.0 FIRE EXTINGUISHERS:

A. PROVIDE A FIRE EXTINGUISHER (MINIMUM 2A–10BC) WITHIN A RECESSED OR SEMI–RECESSED CABINET WITHIN 75 FEET TRAVEL DISTANCE FROM ALL POINTS IN THE OCCUPANCY; THE EXTINGUISHER SHALL BE MOUNTED ON A HOOK WITHIN THE CABINET (ELEVATED OFF CABINET FLOOR); THE TOP OF THE EXTINGUISHER SHALL BE NO HIGHER THAN 48 INCHES (1219 mm) ABOVE THE FLOOR; EXTINGUISHER SHALL BE PLACED IN A EASILY ACCESSIBLE LOCATIONS WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE FOR USE.

3.0 DOOR OPERATIONS:

A. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT KEY, SPECIAL KNOWLEDGE, OR EFFORT. THE UNLATCHING OF ANY EXIT DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION.

4.0 ADDITIONAL PERMIT:

A. PRIOR TO THE FINAL INSPECTION, OBTAIN A HAZARDOUS MATERIALS PERMIT FROM THE FIRE DEPARTMENT. CONTACT THE ENVIROMENTAL MANAGEMENT CENTER AT (916) 455–8200

5.0 REQUIRED INSPECTIONS:

A. THE FIRE DEPARTMENT INSPECTION FOR THIS PROJECT INCLUDE THE FOLLOWING:

1. HAZARDOUS MATERIALS FINAL INSPECTION.
2. FIRE PREVENTION BUREAU FINAL INSPECTION – CONTRACTOR MUST REQUEST A SEPERATE INSPECTION. INSPECTION INCLUDES, BUT IS NOT LIMITED TO: FIRE EXTINGUISHERS; SIGNAGE; DOOR HARDWARE AND MEANS OF EGRESS; EMERGENCY/EXIT LIGHTING; ETC.

NOTE: TO SCHEDULE INSPECTIONS: CALL OFFICE OF STATE FIRE MARSHALL AT (916–445–8200) AT LEAST 48 HOURS IN ADVANCE.

NOTES

GENERAL

1. PER CFC SECTION 3103.1 "QUANTITIES NOT EXCEEDING THE MAXIMUM ALLOWABLE QUANTITIES PER CONTROL AREA," AND REFERRING TO CFC SECTION 608.1 AND SINCE THE TOTAL QUZNTITIES OF ELECTROLYTE IS LESS THAN 50 GALLONS, NEITHER SPILL CONTROL NOR CATCH BASIN FOR MATERIAL IS REQUIRED IN THE CABINET ENCLOSURE.
2. PER CFC SECTION 602.1 AND PER CBC 2016 SECTION 307.2 THE DEFINITIONS:

VALVE–REGULATED LEAD ACID (VRLA) BATTERY:
A LEAD–ACID BATTERY CONSISTING OF SEALED CELLS FURNISHED WITH A VALVE THAT OPENS TO VENT THE BATTERY WHENEVER THE INTERNAL PRESSURE OF THE BATTERY EXCEEDS THE AMBIENT PRESSURE BY A SET AMOUNT. IN VRLA BATTERIES, THE LIQUID ELECTROLYTES IN THE CELLS IS IMMOBILIZED IN A ABSORPTIVE GLASS MAT (AGM CELLS OR BATTERIES) OR BY THE ADDITION OF A GELLING AGENT (GEL CELL OR GELLED BATTERIES).

CORROSIVE:
A CHEMICAL THAT CAUSES VISIBLE DESTRUCTION OF, OR IRREVERSIBLE ALTERATIONS IN, LIVING TISSUE BY CHEMICAL ACTION AT THE POINT OF CONTACT. A CHEMICAL SHALL BE CONSIDERED CORROSIVE IF, WHEN TESTED ON THE INTACT SKIN OF ALBINO RABBITS BY THE METHOD DESCRIBED IN DOTn 49 CFR, PART 17.137, SUCH A CHEMICAL DESTROYS OR CHANGES IRREVERSIBLY THE STRUCTURE OF THE TISSUE AT THE POINT OF CONTACT FOLLOWING AN EXPOSURE PERIOD OF 4 HOURS. THIS TERM DOES NOT REFER TO ACTION ON INANIMATE SURFACES.

HAZARDOUS MATERIALS:
THOSE CHEMICALS OR SUBSTANCES THAT ARE PHYSICAL HAZARDS OR HEALTH HAZARDS AS DEFINED AND CLASSIFIED IN THIS SECTION AND THE CALIFORNIA FIRE CODE, WHETHER THE MATERIALS ARE IN USABLE OR WASTE CONDITION.

HEATH HAZARD:
A CLASSIFICATION OF A CHEMICAL FOR WHICH THERE IS STATISTICALLY SIGNIFICANT EVIDENCE THAT ACUTE OR CHRONIC HEALTH EFFECTS ARE CAPABLE OF OCCURRING IN EXPOSED PERSONS. THE TERM "HEALTH HAZARD" INCLUDES CHEMICALS THAT ARE TOXIC OR HIGHLY TOXIC. AND CORROSSIVE.

PHYSICAL HAZARD:
A CHEMICAL FOR WHICH THERE IS EVIDENCE THAT IS A COMBUSTIBLE LIQUID, CRYOGENIC FLUID, EXPLOSIVE, FLAMMABLE (SOLID, LIQUID, OR GAS), ORGANIC PEROXIDE (SOLID OR LIQUID), OXIDIZER (SOLID OR LIQUID), OXIDIZING GAS, PYROPHORIC (SOLID, LIQUID, OR GAS), UNSTABLE (REACTIVE) MATERIAL (SOLID, LIQUID, OR GAS), OR WATER REACTIVE MATERIAL (SOLID OR LIQUID).

BATTERY TYPE	ELECTROLYTE WEIGHT (lbs.)	ELECTROLYTE VOLUME (gal.)	ACID WEIGHT (lbs.)	ACID VOLUME (gal.)	LEAD (lbs.)	LEAD OXIDE (lbs.)	TOTAL # OF BATTERIES	ELECTROLYTE TOTAL WEIGHT (lbs.)	ELECTROLYTE TOTAL VOLUME (gal.)	TOTAL ACID (gal.)
* MARATHON "M12V180FT"	27.27	2.47	11.44	0.74	92.6	20	24	654.48	59.28	17.76

* MARATHON "M12V180FT" BATTERY TYPE OR EQUAL

APPLICANT:

The new at&t

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3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

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LICENSER:

REGISTERED PROFESSIONAL ENGINEER
CHRIS S. LEE
76549
CIVIL
STATE OF CALIFORNIA

PROJECT INFORMATION:

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AGOURA HILLS
5126 CLARETON DRIVE
AGOURA HILLS, CA 91301

SHEET TITLE:

BATTERY INFORMATION

SHEET NUMBER:

FD-1

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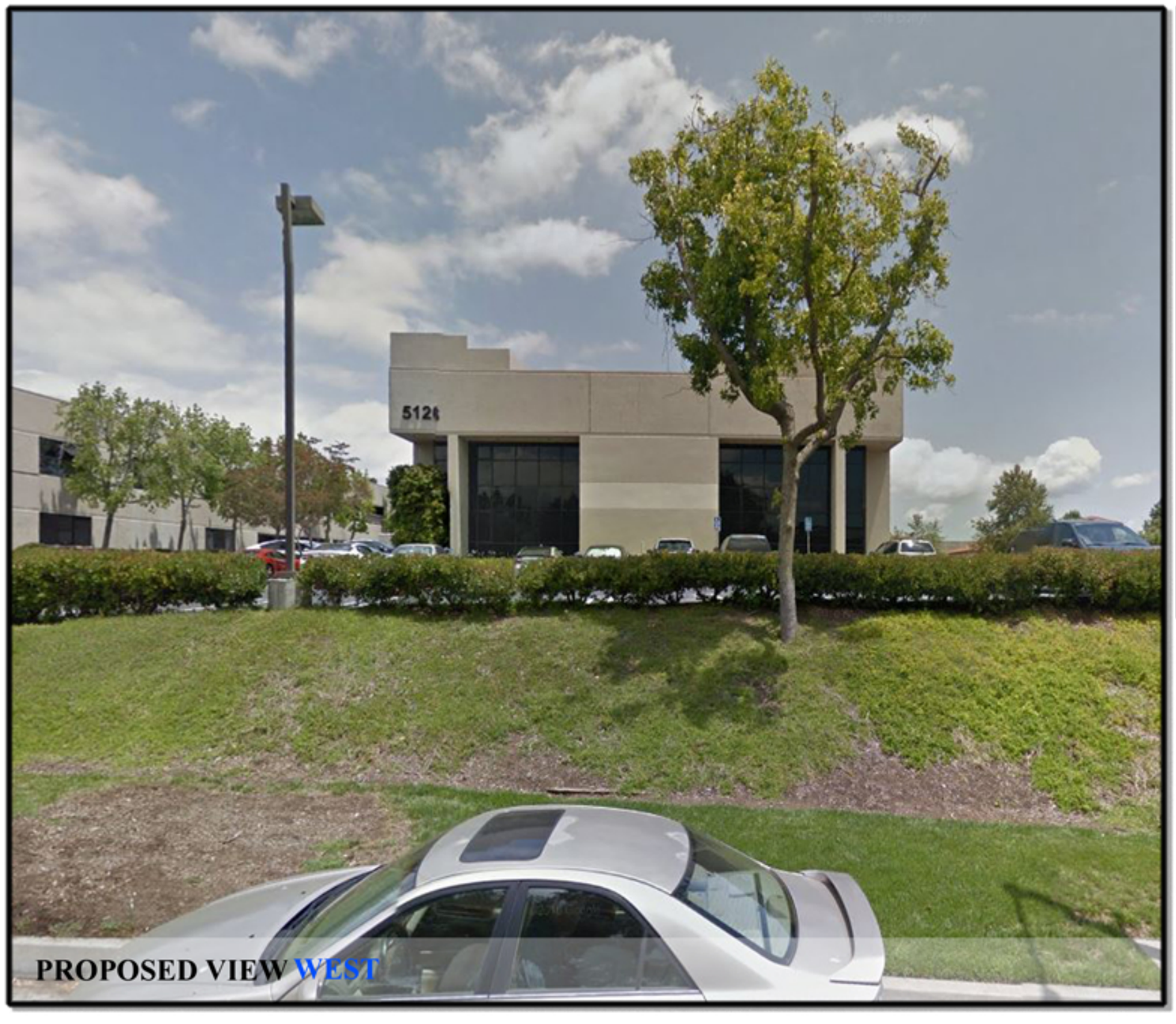
65 Post, Suite 1000 - Irvine,
CA, 92618 - (949) 553-8566



PROPOSED VIEW WEST

EXISTING VIEW WEST

SITE LOCATION

SITE COORDINATES

Latitude: 34.14645°
Longitude: -118.753214°

SHEET NUMBER 1/4

LAC549
Agoura Hills
5126 Clareton Dr., Agoura Hills, CA 91301

Eukon Group
65 Post, Suite 1000 - Irvine,
CA, 92618 - (949) 553-8566

SITE COORDINATES

Latitude: 34.14645°
Longitude: -118.753214°

SHEET NUMBER 2/4

LAC549
Agoura Hills
5126 Clareton Dr., Agoura Hills, CA 91301

Eukon Group
65 Post, Suite 1000 - Irvine,
CA, 92618 - (949) 553-8566

SITE COORDINATES

Latitude: 34.14645°
Longitude: -118.753214°

SHEET NUMBER 3/4

LAC549
Agoura Hills
5126 Clareton Dr., Agoura Hills, CA 91301

Eukon Group
65 Post, Suite 1000 - Irvine,
CA, 92618 - (949) 553-8566

PROPOSED VIEW WEST

EXISTING VIEW WEST

SITE LOCATION

SITE COORDINATES

Latitude: 34.14645°
Longitude: -118.753214°

SHEET NUMBER 4/4