



SAN FRANCISCO PLANNING DEPARTMENT

Executive Summary Conditional Use Authorization

HEARING DATE: SEPTEMBER 15, 2011

Date: September 8, 2011
Case No.: **2011.0664C**
Project Address: **3901 Mission Street**
Current Zoning: NC-2 (Small-Scale Neighborhood Commercial) District
40-X Height and Bulk District
Block/Lot: 5802/044
Project Sponsor: Tony Kim for AT&T
100 Clement Street, 3rd Floor
San Francisco, CA 94118
Staff Contact: Diego R Sánchez – (415) 575-9082
diego.sanchez@sfgov.org
Recommendation: **Approval with Conditions**

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CA 94103-2479

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PROJECT DESCRIPTION

The proposal is to install up to eight panel antennas and associated equipment cabinets as part of a wireless transmission network operated by AT&T on a Location Preference Four (Preferred Location – Industrial or Commercial Structures) according to the Wireless Telecommunications Services (WTS) Siting Guidelines. The antennas measure 52" high by 25" wide by 12" deep. The antennas would be mounted on the roof of an existing commercial building, and the top of the antennas would be approximately 23' above grade. Associated equipment cabinets would also be placed on the roof.

SITE DESCRIPTION AND PRESENT USE

The Project Site is at the southeast corner of Mission Street and College Avenue, at the edge of the Bernal Heights neighborhood and in close proximity to the Glen Park neighborhood. The subject property is currently improved with a one-story 4,200 square foot commercial building. The lot is approximately 5,200 square feet in area. The current use of the building is a laundromat and an office used by the City of San Francisco.

SURROUNDING PROPERTIES AND NEIGHBORHOOD

The Project Site is located at the edge of the Bernal Heights neighborhood in close proximity to the Glen Park neighborhood. Surrounding properties are retail and residential in nature, reflecting the surrounding neighborhood commercial and residential zoning districts. In particular, the surrounding properties are zoned NC-2 (Small-Scale Neighborhood Commercial), RH-1 (D) (Residential, House, One-Family, Detached), RH-2 (Residential, House, Two-Family) and RH-3 (Residential, House, Three-Family). Most buildings in the area do not exceed three stories in height.

ENVIRONMENTAL REVIEW

The project is exempt from the California Environmental Quality Act ("CEQA") as a Class 3 categorical exemption. The Commission has reviewed and concurs with said determination. The categorical exemption and all pertinent documents may be found in the files of the Planning Department, as the custodian of records, at 1650 Mission Street, San Francisco.

HEARING NOTIFICATION

TYPE	REQUIRED PERIOD	REQUIRED NOTICE DATE	ACTUAL NOTICE DATE	ACTUAL PERIOD
Classified News Ad	20 days	August 26, 2011	August 26, 2011	20 days
Posted Notice	20 days	August 26, 2011	August 26, 2011	20 days
Mailed Notice	20 days	August 26, 2011	August 26, 2011	20 days

PUBLIC COMMENT

- As of September 8, 2011, the Department received multiple letters from the public regarding the project. The letters express concern about possible health effects from the proposed wireless telecommunications installation as well as about the potential loss of property value to the surrounding area.

ISSUES AND OTHER CONSIDERATIONS

- The design of the proposal was modified multiple times to achieve a balance between the coverage needs of the Project Sponsor and the requirements of the Planning Department to minimize the visibility of the wireless installation.
- Health and safety aspects of all wireless projects are reviewed under the Department of Public Health and the Department of Building Inspections. The Department of Public Health has stated that the proposal emits 25% of the public exposure limit, well within the FCC standards.
- All required public notifications were conducted in compliance with the City's code and policies.

REQUIRED COMMISSION ACTION

In order for the project to proceed, the Commission may grant the Conditional Use authorization pursuant to Planning Code Sections 711.83 and 303 to allow the installation of wireless facilities.

BASIS FOR RECOMMENDATION

The Department believes this project is necessary and/or desirable under Section 303 of the Planning Code for the following reasons:

- The project complies with the applicable requirements of the Planning Code.

- The project is consistent with the objectives and policies of the General Plan.
- The Project is consistent with the 1996 WTS Facilities Siting Guidelines, Planning Commission Resolution No. 14182.
- The project site is a Location Preference 4, a preferred location, according to the Wireless Telecommunications Services (WTS) Siting Guidelines.
- The project will improve coverage for an area where there is currently poor cell phone coverage.

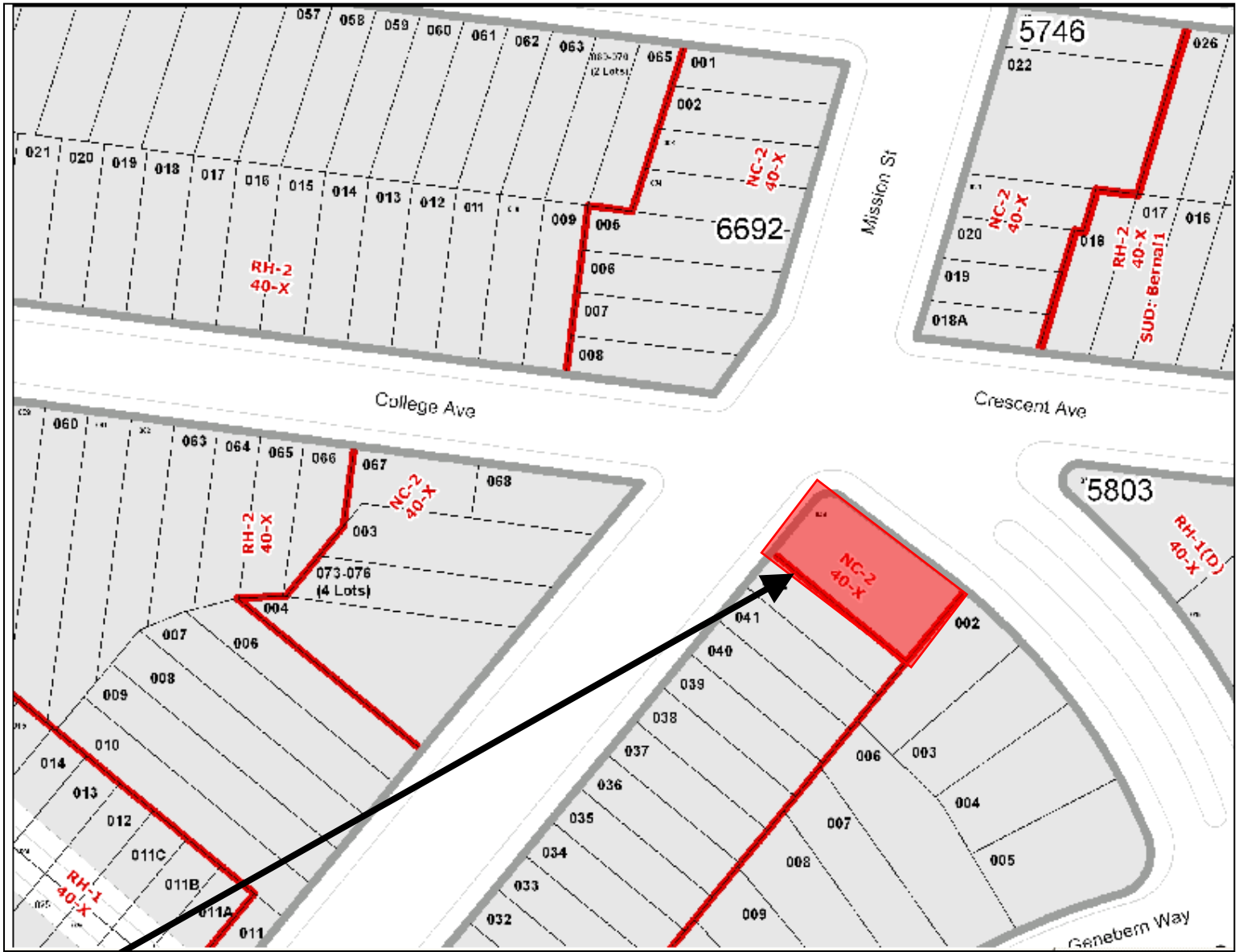
RECOMMENDATION: Approval with Conditions
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- | | |
|---|---|
| <input checked="" type="checkbox"/> Executive Summary | <input checked="" type="checkbox"/> Project sponsor submittal |
| <input checked="" type="checkbox"/> Draft Motion | Drawings: <u>Proposed Project</u> |
| <input checked="" type="checkbox"/> Zoning District Map | <input checked="" type="checkbox"/> Check for legibility |
| <input type="checkbox"/> Height & Bulk Map | <input checked="" type="checkbox"/> Photo Simulations |
| <input checked="" type="checkbox"/> Parcel Map | <input checked="" type="checkbox"/> Coverage Maps |
| <input checked="" type="checkbox"/> Sanborn Map | <input checked="" type="checkbox"/> RF Report |
| <input checked="" type="checkbox"/> Aerial Photo | <input checked="" type="checkbox"/> DPH Approval |
| <input checked="" type="checkbox"/> Context Photos | <input type="checkbox"/> Community Outreach Report |
| <input checked="" type="checkbox"/> Site Photos | <input type="checkbox"/> SHPO Review |

Exhibits above marked with an "X" are included in this packet _____ Planner's Initials

DRS G:\DOCUMENTS\Conditional Use\3901 Mission WTF\Commission Packet\3901 Mission Executive Summary.doc

Parcel Map



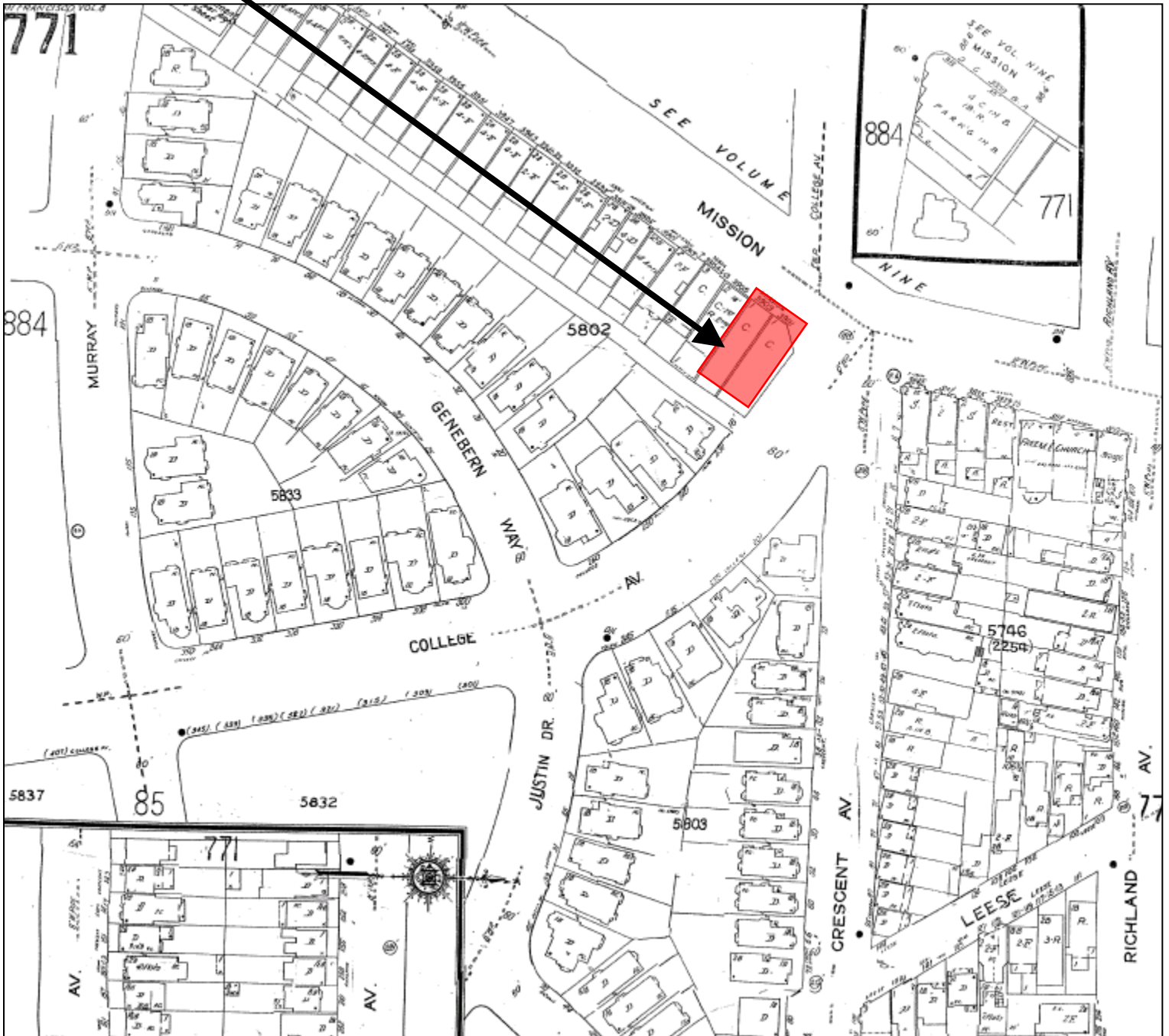
SUBJECT PROPERTY



Conditional Use authorization
Case Number 2011.0664C
Wireless Transmission Facility – AT&T
3901 Mission Street

Sanborn Map*

SUBJECT PROPERTY



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



Conditional Use authorization
Case Number 2011.0664C

Wireless Transmission Facility – AT&T
3901 Mission Street

Aerial Photo

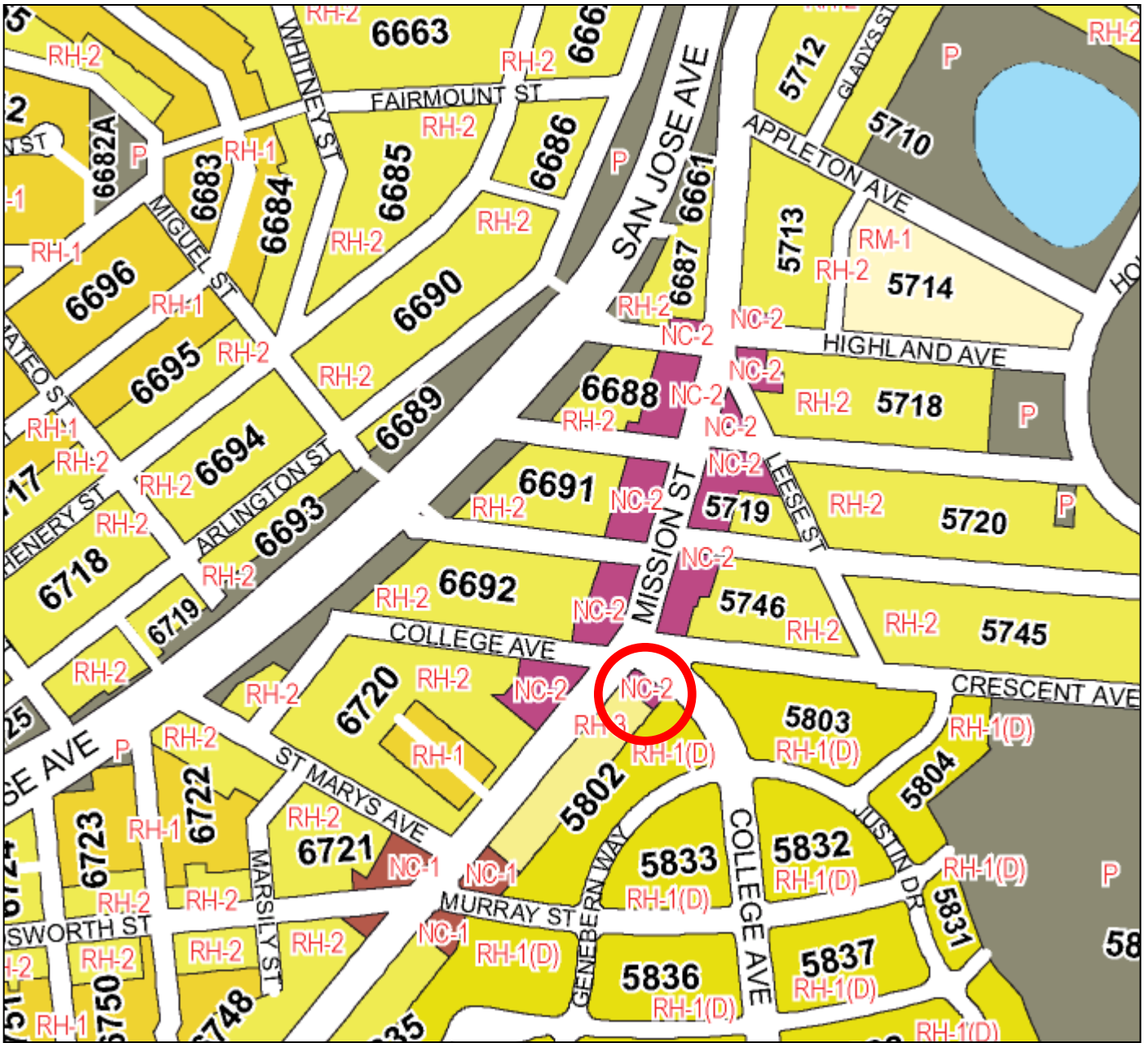


SUBJECT PROPERTY



Conditional Use authorization
Case Number 2011.0664C
Wireless Transmission Facility – AT&T
3901 Mission Street

Zoning Map



Conditional Use authorization
Case Number 2011.0664C
Wireless Transmission Facility – AT&T
3901 Mission Street

Site Photo

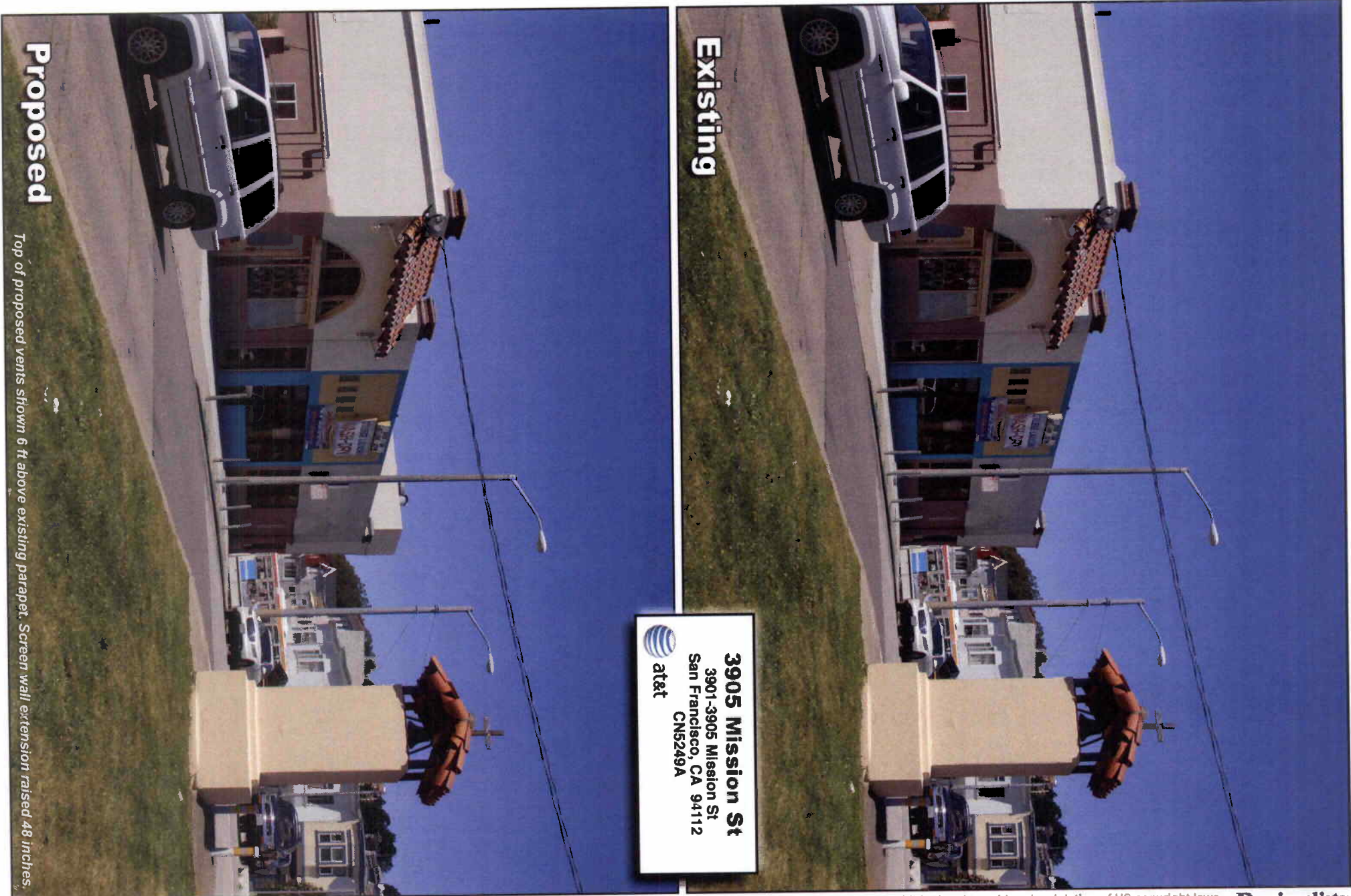


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Photosimulation of view looking south along Mission Street, approaching the site.



Photosimulation of view looking west from College Ave, just north of Justin Drive.



Photosimulation of view looking east-northeast from across Mission Street, just south of College Ave.



Top of proposed vents shown 6 ft above existing parapet. Screen wall extension raised 48 inches.

Proposed Site at 3901 Mission St (CN5249)

Service Area BEFORE site is constructed

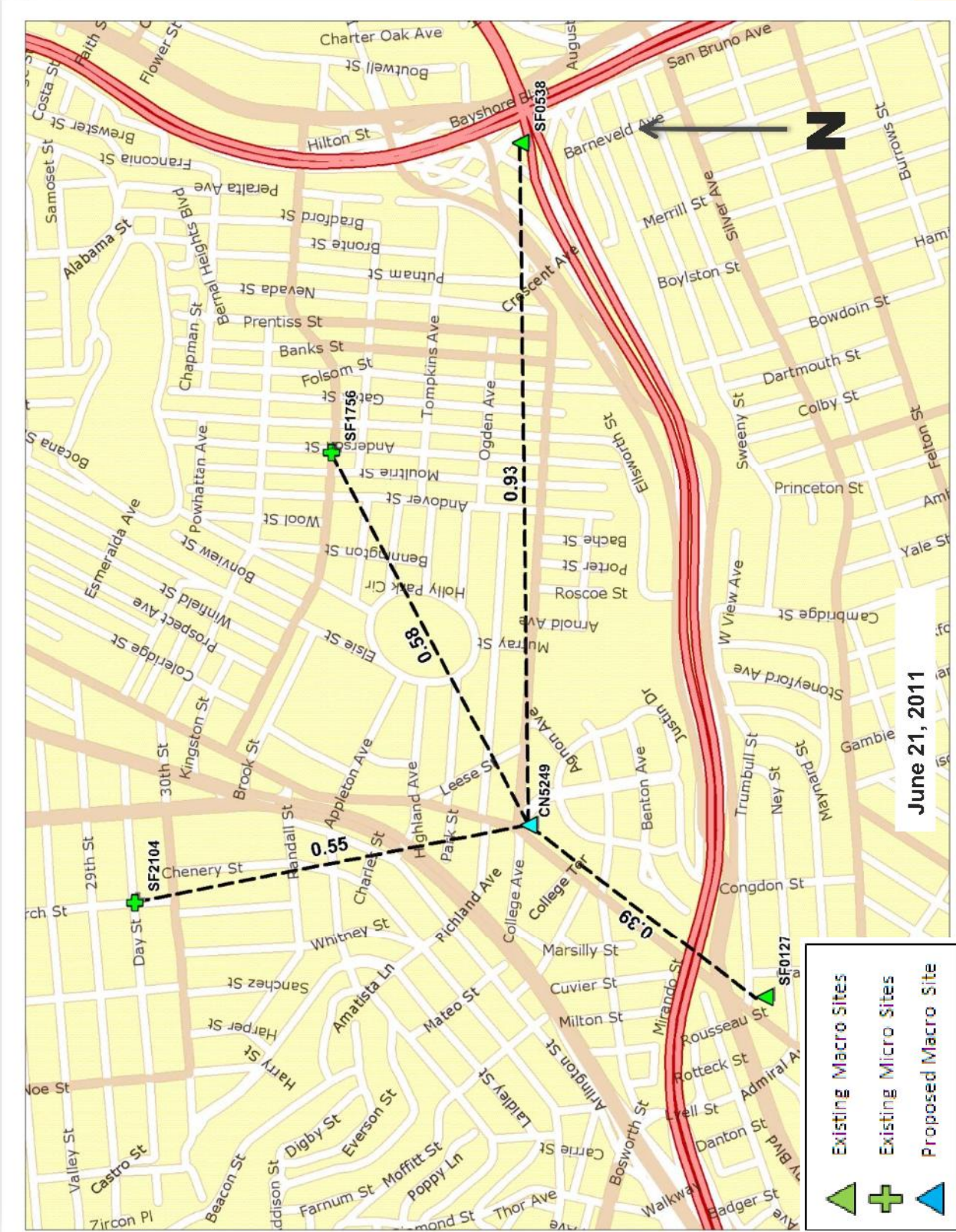


Proposed Site at 3901 Mission St (CN5249)

Service Area AFTER site is constructed



Existing Surrounding Sites at 3901 Mission St CN5249



Distance Between Wireless Facilities as Proposed

Site Number	Status	Approximate Distance to Proposed Site
CN5249 3901 MISSION STREET	Proposed Macro Site	0.00 miles
SF2104 1747 CHURCH STREET	Existing Micro Site	0.55 miles
SF1756 627 CORTLAND AVENUE	Existing Micro Site	0.58 miles
SF0538 30 RICKARD STREET	Existing Macro Site	0.93 miles
SF0127 4175 MISSION STREET	Existing Macro Site	0.4 miles

Micro Site: Low height, low gain, omni-directional antennas

Macro Site: Increased height, increased gain, panel antennas

**AT&T Mobility • Proposed Base Station (Site No. CN5249A)
3901–3905 Mission Street • San Francisco, California**

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of AT&T Mobility, a personal wireless telecommunications carrier, to evaluate the base station (Site No. CN5249A) proposed to be located at 3901–3905 Mission Street in San Francisco, California, for compliance with appropriate guidelines limiting human exposure to radio frequency (“RF”) electromagnetic fields.

Background

The San Francisco Department of Public Health has adopted a 10-point checklist for determining compliance of proposed WTS facilities or proposed modifications to such facilities with prevailing safety standards. The acceptable limits set by the FCC for exposures of unlimited duration are:

Wireless Service	Frequency Band	Occupational Limit	Public Limit
Microwave (Point-to-Point)	5,000–80,000 MHz	5.00 mW/cm ²	1.00 mW/cm ²
BRS (Broadband Radio)	2,600	5.00	1.00
AWS (Advanced Wireless)	2,100	5.00	1.00
PCS (Personal Communication)	1,950	5.00	1.00
Cellular	870	2.90	0.58
SMR (Specialized Mobile Radio)	855	2.85	0.57
700 MHz	700	2.35	0.47
[most restrictive frequency range]	30–300	1.00	0.20

The site was visited by Rajat Mathur, P.E., a qualified engineer employed by Hammett & Edison, Inc., during normal business hours on April 1, 2011, a non-holiday weekday, and reference has been made to information provided by AT&T, including zoning drawings by TRK Engineering, Ltd., dated September 6, 2011.

Checklist

1. The location of all existing antennas and facilities at site. Existing RF levels.

There were observed no wireless base stations installed at the site. Existing RF levels for a person at ground near the site were less than 1% of the most restrictive public exposure limit.

2. The location of all approved (but not installed) antennas and facilities. Expected RF levels from approved antennas.

No other WTS facilities are reported to be approved for this site but not installed.

3. The number and types of WTS within 100 feet of proposed site and estimates of additive EMR emissions at proposed site.

There were no other WTS facilities observed within 100 feet of the site.



**AT&T Mobility • Proposed Base Station (Site No. CN5249A)
3901–3905 Mission Street • San Francisco, California**

4. Location (and number) of Applicant's antennas and back-up facilities per building and location (and number) of other WTS at site.

AT&T proposes to install seven directional panel antennas – five Powerwave Model P65-15-XLH-RR and two dB Spectra Model SPD2P6515-XLH – with up to 4° downtilt on the two-story commercial building located at 3901–3905 Mission Street. Four antennas would be mounted within four cylindrical enclosures above the roof of the building at an effective height of about 21 feet above ground, 3¹/₂ feet above the roof, and would be oriented in pairs (one of each) toward 15°T and 160°T. The remaining three Powerwave antennas would be mounted within an extension of the parapet on the Mission Street face of the building, at an effective height of about 19 feet above ground, and would be oriented toward 270°T.

5. Power rating (maximum and expected operating power) for all existing and proposed backup equipment subject to application.

The expected operating power of the AT&T transmitters is reflected in the resulting effective radiated power given in Item 6 below; the transmitters may operate at a power below their maximum rating.

6. Total number of watts per installation and total number of watts for all installations at site.

The maximum effective radiated power proposed by AT&T in any direction is 5,130 watts, representing simultaneous operation at 2,740 watts for PCS, 1,530 watts for cellular, and 860 watts for 700 MHz service.

7. Plot or roof plan showing method of attachment of antennas, directionality of antennas, and height above roof level. Discuss nearby inhabited buildings.

The drawings show the proposed antennas to be installed as described in Item 4 above. There were noted buildings of similar or taller height in all directions.

8. Estimated ambient RF levels for proposed site and identify three-dimensional perimeter where exposure standards are exceeded.

For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation is calculated to be 0.17 mW/cm², which is 25% of the applicable public exposure limit. Cumulative RF levels at ground level near the site are therefore estimated to be below 26% of the limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 51 feet out from the antenna faces and to much lesser distances above, below, and to the sides; this includes areas on the roof of the subject building to the south, but does not reach any other building or any publicly accessible areas.

9. Describe proposed signage at site.

Due to their mounting locations, the AT&T antennas would not be accessible to the general public, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. To



**AT&T Mobility • Proposed Base Station (Site No. CN5249A)
3901–3905 Mission Street • San Francisco, California**

prevent occupational exposures in excess of the FCC guidelines, no access within 17 feet directly in front of the antennas themselves, such as might occur during maintenance work on the building, should be allowed while the base station is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Marking “Prohibited Access Areas” with red paint stripes on the roof of the building in front of the antennas and “Worker Notification Areas” with yellow stripes, as shown in Figure 1 attached, and posting explanatory warning signs* at the antennas and on the enclosures housing the antennas, such that the signs would be readily visible from any angle of approach to persons who might need to work within that distance, would be sufficient to meet FCC-adopted guidelines.

10. Statement of authorship.

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2013. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

Conclusion

Based on the information and analysis above, it is the undersigned’s professional opinion that operation of the AT&T Mobility base station proposed to be located at 3901–3905 Mission Street in San Francisco, California, will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Marking areas on the roof and posting explanatory signs is recommended to establish compliance with occupational exposure limitations.



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

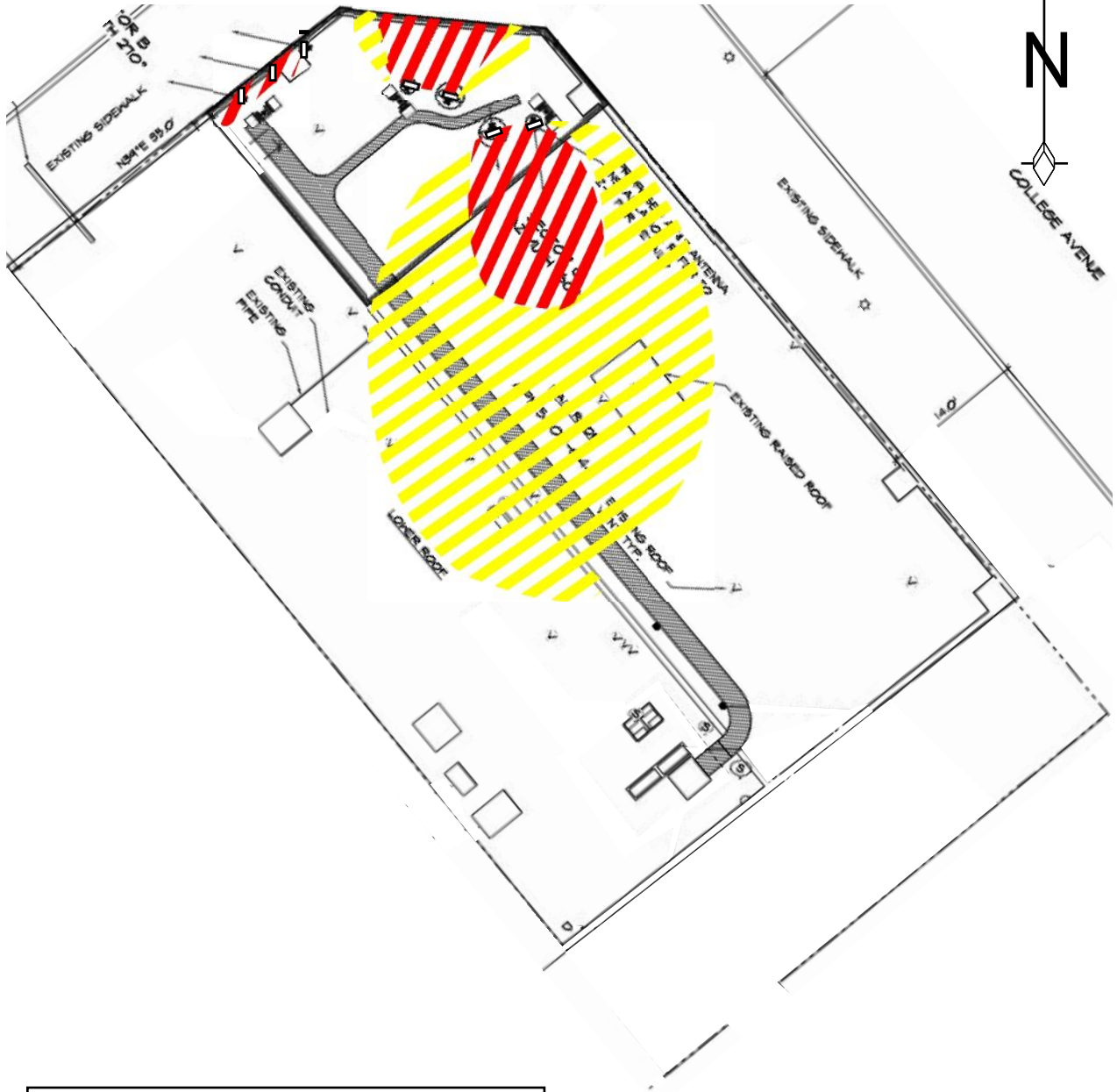
September 6, 2011

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



AT&T Mobility • Proposed Base Station (Site No. CN5249A)
3901–3905 Mission Street • San Francisco, California

Suggested Locations for Striping to Identify
“Prohibited Access Areas” (red) and
“Worker Notification Areas” (yellow)



Notes:
Base drawing from TRK Engineering, Ltd., dated September 6, 2011.
“Prohibited Access Areas” should be marked with red paint stripes, “Worker Notification Areas” should be marked with yellow stripes, and explanatory warning signs should be posted outside the areas, readily visible to authorized workers needing access. See text.



HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO



Review of Cellular Antenna Site Proposals

Project Sponsor : AT&T Wireless **Planner:** Jonas Ionin
RF Engineer Consultant: Hammett and Edison **Phone Number:** (707) 996-5200
Project Address/Location: 3901 Mission St
Site ID: 1423 **SiteNo.:** CN5249A

The following information is required to be provided before approval of this project can be made. These information requirements are established in the San Francisco Planning Department Wireless Telecommunications Services Facility Siting Guidelines dated August 1996. In order to facilitate quicker approval of this project, it is recommended that the project sponsor review this document before submitting the proposal to ensure that all requirements are included.

- X 1. The location of all existing antennas and facilities. Existing RF levels. (WTS-FSG, Section 11, 2b)
 Existing Antennas No Existing Antennas: 0
- X 2. The location of all approved (but not installed) antennas and facilities. Expected RF levels from the approved antennas. (WTS-FSG Section 11, 2b)
 Yes No
- X 3. The number and types of WTS within 100 feet of the proposed site and provide estimates of cumulative EMR emissions at the proposed site. (WTS-FSG, Section 10.5.2)
 Yes No
- X 4. Location (and number) of the Applicant’s antennas and back-up facilities per building and number and location of other telecommunication facilities on the property (WTS-FSG, Section 10.4.1a)
- X 5. Power rating (maximum and expected operating power) for all existing and proposed backup equipment subject to the application (WTS-FSG, Section 10.4.1c)
 Maximum Power Rating: 5130 watts.
- X 6. The total number of watts per installation and the total number of watts for all installations on the building (roof or side) (WTS-FSG, Section 10.5.1).
 Maximum Effective Radiant: 5130 watts.
- X 7. Preferred method of attachment of proposed antenna (roof, wall mounted, monopole) with plot or roof plan. Show directionality of antennas. Indicate height above roof level. Discuss nearby inhabited buildings (particularly in direction of antennas) (WTS-FSG, Section 10.41d)
- X 8. Report estimated ambient radio frequency fields for the proposed site (identify the three-dimensional perimeter where the FCC standards are exceeded.) (WTS-FSG, Section 10.5) State FCC standard utilized and power density exposure level (i.e. 1986 NCRP, 200 μw/cm²)
 Maximum RF Exposure: 0.17 mW/cm² Maximum RF Exposure Percent: 25
- X 9. Signage at the facility identifying all WTS equipment and safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards. (WTS-FSG, Section 10.9.2). Discuss signage for those who speak languages other than English.
 Public_Exclusion_Area Public Exclusion In Feet: 51
 Occupational_Exclusion_Area Occupational Exclusion In Feet: 17

X 10. Statement on who produced this report and qualifications.

X **Approved.** Based on the information provided the following staff believes that the project proposal will comply with the current Federal Communication Commission safety standards for radiofrequency radiation exposure. FCC standard 1986-NCRP **Approval of the subsequent Project Implementation Report is based on project sponsor completing recommendations by project consultant and DPH.**

Comments:

There are currently no antennas operated by AT&T Wireless installed on the rooftop of the building at 3901 Mission Street. Existing RF levels at ground level were less than 1% of the FCC public exposure limit. There were no other antennas observed within 100 feet of this site. AT&T Wireless proposes to install 7 new antennas. The antennas will be mounted at a height of 21 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.17 mW/sq cm., which is 25 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 51 feet which includes areas of the rooftop but does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Workers should not have access to within 17 feet of the front of the antennas while they are in operation. This area must be marked with red and yellow striping for worker prohibited and notification areas as indicated on the health report.

 Not Approved, additional information required.

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

 1 Hours spent reviewing

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

Signed: _____



Dated: 9/6/2011 _____

Patrick Fosdahl

Environmental Health Management Section
San Francisco Dept. of Public Health
1390 Market St., Suite 210,
San Francisco, CA. 94102
(415) 252-3904



SAN FRANCISCO PLANNING DEPARTMENT

Subject to: (Select only if applicable)

- Affordable Housing (Sec. 415)
- Jobs Housing Linkage Program (Sec. 413)
- Downtown Park Fee (Sec. 412)
- First Source Hiring (Admin. Code)
- Child Care Requirement (Sec. 414)
- Other

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Planning Commission Motion

HEARING DATE: SEPTEMBER 15, 2011

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Staff Contact: Diego R Sánchez – (415) 575-9082
 diego.sanchez@sfgov.org

ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTIONS 711.83 AND 303 TO INSTALL A WIRELESS TELECOMMUNICATIONS FACILITY CONSISTING OF EIGHT PANEL ANTENNAS AND RELATED EQUIPMENT ON AN EXISTING ONE-STORY COMMERCIAL BUILDING AS PART OF THE AT&T WIRELESS TELECOMMUNICATIONS NETWORK WITHIN A NC-2 (SMALL-SCALE NEIGHBORHOOD COMMERCIAL) ZONING DISTRICT AND A 40-X HEIGHT AND BULK DISTRICT.

PREAMBLE

On June 23, 2011, AT&T (hereinafter "Project Sponsor"), made an application (hereinafter "application"), for Conditional Use Authorization on the property at 3901 Mission Street, Lot 044 in Assessor's Block 5802, (hereinafter "project site") to install a wireless telecommunications facility consisting of eight panel antennas and related equipment on an existing one-story commercial building as part of the AT&T wireless telecommunications network within the NC-2 (Small-Scale Neighborhood Commercial) Zoning District and a 40-X Height and Bulk District.

The project is exempt from the California Environmental Quality Act ("CEQA") as a Class 3 categorical exemption. The Commission has reviewed and concurs with said determination. The categorical exemption and all pertinent documents may be found in the files of the Planning Department (hereinafter "Department"), as the custodian of records, at 1650 Mission Street, San Francisco.

On September 15, 2011, the San Francisco Commission (hereinafter "Commission") conducted a duly noticed public hearing at a regularly scheduled meeting on the application for a Conditional Use authorization.

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

MOVED, that the Commission hereby authorizes the Conditional Use in Application No. 2011.0664C, subject to the conditions contained in "EXHIBIT A" of this motion, based on the following findings:

FINDINGS

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

1. The above recitals are accurate and constitute findings of this Commission.
2. **Site Description and Present Use.** The Project Site is at the southeast corner of Mission Street and College Avenue, at the edge of the Bernal Heights neighborhood and in close proximity to the Glen Park neighborhood. The subject property is currently improved with a one-story 4,200 square foot commercial building. The lot is approximately 5,200 square feet in area. The current use of the building is a Laundromat and an office used by the City of San Francisco.
3. **Surrounding Properties and Neighborhood.** The Project Site is located at the edge of the Bernal Heights neighborhood in close proximity to the Glen Park neighborhood. Surrounding properties are retail and residential in nature, reflecting the surrounding neighborhood commercial and residential zoning districts. In particular, the surrounding properties are zoned NC-2 (Small-Scale Neighborhood Commercial), RH-1 (D) (Residential, House, One-Family, Detached), RH-2 (Residential, House, Two-Family) and RH-3 (Residential, House, Three-Family). Most buildings in the area do not exceed three stories in height.
4. **Project Description.** The proposal is to install up to eight panel antennas and associated equipment cabinets as part of a wireless transmission network operated by AT&T on a Location Preference Four (Preferred Location – Industrial or Commercial Structures) according to the Wireless Telecommunications Services (WTS) Siting Guidelines. The antennas measure 52" high by 25" wide by 12" deep. The antennas would be mounted on the roof an existing commercial building, and the top of the antennas would be approximately 23' above grade. Associated equipment cabinets would also be placed on the roof.
5. **Past History and Actions.** The Planning Commission established guidelines for the installation of wireless telecommunications facilities in 1996 ("Guidelines"). These Guidelines set forth the land use policies and practices that guide the installation and approval of wireless facilities throughout San Francisco. A large portion of the Guidelines was dedicated to establishing location preferences for these installations. The Board of Supervisors, in Resolution No. 635-96,

provided input as to where wireless facilities should be located within San Francisco. The Guidelines were updated by the Commission in 2003, requiring community outreach, notification, and detailed information about the facilities to be installed.¹

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

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

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

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

On August 3, 2011, the Commission conducted a duly noticed public hearing at a regularly scheduled meeting on the application for a Conditional Use authorization pursuant to Planning Code Sections 711.83 and 303 to install a wireless telecommunications facility consisting of eight panel antennas and related equipment on an existing one-story commercial building as part of the AT&T wireless telecommunications network.

6. **Location Preference.** The *WTS Facilities Siting Guidelines* identify different types of buildings for the siting of wireless telecommunications facilities. Under the *Guidelines*, the Project is a Location Preference Number 4, as it is a preferred location for an industrial or commercial structure.
7. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network will transmit calls by radio waves operating in the 734 - 2145 Megahertz (MHZ) bands, which are regulated by the Federal Communications Commission (FCC) and which must comply with the FCC-adopted health and safety standards for electromagnetic radiation and radio frequency radiation.

¹ PC Resolution 16539, passed March 13, 2003.

8. **Radiofrequency (RF) Emissions:** The project sponsor retained Hammett & Edison, Inc., a radio engineering consulting firm, to prepare a report describing the expected RF emissions from the proposed facility. Pursuant to the *Guidelines*, the Department of Public Health reviewed the report and determined that the proposed facility complies with the standards set forth in the *Guidelines*.
9. **Department of Public Health Review and Approval.** The proposed project was referred to the Department of Public Health (DPH) for emissions exposure analysis. Existing RF levels at ground level were less than 1% of the FCC public exposure limit. There were no other antennas observed within 100 feet of this site. AT&T Wireless proposes to install 7 new antennas. The antennas will be mounted at a height of 21 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.17 mW/sq cm., which is 25 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 51 feet which includes areas of the rooftop but does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Workers should not have access to within 17 feet of the front of the antennas while they are in operation. This area must be marked with red and yellow striping for worker prohibited and notification areas as indicated on the health report.
10. **Maintenance Schedule.** The proposed facility would operate without on-site staff but with a two-person maintenance crew visiting the property approximately once a month and on an as-needed basis to service and monitor the facility.
11. **Community Outreach.** Per the *Guidelines*, the project sponsor held a Community Outreach Meeting for the proposed project. The meeting was held from 7:00 P.M. to 8:00 P.M. on August 3, 2011 at the Mission YMCA, located at 4080 Mission Street. Five members of the public attended the meeting.
12. **Five-year plan:** Per the *Guidelines*, the project sponsor submitted its latest five-year plan, as required, in April 2011.
13. **Public Comment.** As of September 8, 2011, the Department received multiple letters from the public regarding the project. The letters express concern about possible health effects from the proposed wireless telecommunications installation as well as about the potential loss of property value to the surrounding area.
14. **Planning Code Compliance.** The Commission finds that the Project is consistent with the relevant provisions of the Planning Code in the following manner:
 - A. **Use.** Per Planning Code Sections 711.83, a Conditional Use authorization is required for the installation of other uses such as wireless transmission facilities.

15. **Planning Code Section 303** establishes criteria for the Planning Commission to consider when reviewing applications for Conditional Use approval. On balance, the project does comply with said criteria in that:

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

i Desirable: San Francisco is a leader of the technological economy; it is important and desirable to the vitality of the city to have and maintain adequate telecommunications coverage and data capacity. This includes the installation and upgrading of systems to keep up with changing technology and increases in usage. It is desirable for the City to allow wireless facilities to be installed.

The proposed project at 3901 Mission Street will be generally desirable and compatible with the surrounding neighborhood because the project will not conflict with the existing uses of the property and will be of such size and nature to be compatible with the surrounding nature of the vicinity. The approval of this authorization has been found, first and foremost, to ensure public safety, and ensure that the placement of antennas and related support and protection features are so located, designed, and treated architecturally to minimize their visibility from public places, to avoid intrusion into public vistas, avoid disruption of the architectural design integrity of building and insure harmony with neighborhood character.

ii Necessary: In the case of wireless installations, there are two criteria that the Commission reviews: coverage and capacity.

Coverage: San Francisco does have sufficient overall wireless coverage (note that this is separate from carrier service). It is necessary for San Francisco to have as much coverage as possible in terms of wireless facilities. Due to the topography and tall buildings in San Francisco, unique coverage issues arise because the hills and building break up coverage. Thus, telecommunication carriers often install additional installations to make sure coverage is sufficient.

Capacity: While a carrier may have adequate coverage in a certain area, the capacity may not be sufficient. With the continuous innovations in wireless data technology and demand placed on existing infrastructure, individual telecommunications carriers must upgrade and in some instances expand their facilities network to be able to have proper data distribution. It is necessary for San Francisco, as a leader in technology, to have adequate capacity.

The proposed project at 3901 Mission Street is necessary in order to achieve sufficient street and in-building mobile phone coverage. Recent drive tests in the subject area conducted by the AT&T Radio Frequency Engineering Team provide conclusive evidence that the subject property is the most viable location, based on factors including quality of coverage, population density, land use compatibility, zoning and aesthetics. The proposed coverage area will serve the vicinity bounded by Holly Park, Interstate 280, San José Avenue and Cortland Avenue, as indicated in the coverage maps. This facility will fill in the gaps to improve coverage in the Bernal Heights / Glen Park area

as well as to provide necessary facilities for emergency transmission and improved communication for the neighborhood, community and the region.

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

- i Nature of proposed site, including its size and shape, and the proposed size, shape and arrangement of structures;

The proposed project must comply with all applicable Federal and State regulations to safeguard the health, safety and to ensure that persons residing or working in the vicinity will not be affected, and prevent harm to other personal property.

The Department of Public Health conducted an evaluation of potential health effects from Radio Frequency radiation, and has concluded that the proposed wireless transmission facilities will have no adverse health effects if operated in compliance with the FCC-adopted health and safety standards. The Department has received information that the proposed wireless system must be operated so as not to interfere with radio or television reception in order to comply with the provisions of its license under the FCC.

The Department is developing a database of all such wireless communications facilities operating or proposed for operation in the City and County of San Francisco. All applicants are now required to submit information on the location and nature of all existing and approved wireless transmission facilities operated by the Project Sponsor. The goal of this effort is to foster public information as to the location of these facilities.

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

No increase in traffic volume is anticipated with the facilities operating unmanned, with a single maintenance crew visiting the site once a month or on an as-needed basis.

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

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

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

The proposed antennas are proposed to be installed behind a screen and within faux vents, thereby hiding them from view to pedestrians and other users of the public right of way.

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

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

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

The proposed project is consistent with the stated purposes of the NC-2 District in that the intended use will assist in providing wireless telecommunications services to the surrounding neighborhoods.

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

2009 HOUSING ELEMENT

BALANCE HOUSING CONSTRUCTION AND COMMUNITY INFRASTRUCTURE

OBJECTIVE 12 – BALANCE HOUSING GROWTH WITH ADEQUATE INFRASTRUCTURE THAT SERVES THE CITY’S GROWING POPULATION.

POLICY 12.2 – Consider the proximity of quality of life elements, such as open space, child care, and neighborhood services, when developing new housing units.

POLICY 12.3 – Ensure new housing is sustainably supported by the City’s public infrastructure systems.

The project will improve the coverage of the AT&T wireless telecommunication system in residential, commercial and recreational areas along primary transportation routes in San Francisco.

URBAN DESIGN

HUMAN NEEDS

OBJECTIVE 4 - IMPROVEMENT OF THE NEIGHBORHOOD ENVIRONMENT TO INCREASE PERSONAL SAFETY, COMFORT, PRIDE AND OPPORTUNITY.

POLICY 4.14 - Remove and obscure distracting and cluttering elements.

By locating the proposed antennas behind a screen and within faux vents, the proposal has obscured the antennas from view and is thereby minimally visible from the street.

COMMERCE AND INDUSTRY ELEMENT

Objectives and Policies

OBJECTIVE 1:

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

Policy 1:

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

Policy 2:

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

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

OBJECTIVE 2:

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

Policy 1:

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

Policy 3:

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

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

OBJECTIVE 4:

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

Policy 1:

Maintain and enhance a favorable business climate in the City.

Policy 2:

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

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

VISITOR TRADE

OBJECTIVE 8 - ENHANCE SAN FRANCISCO'S POSITION AS A NATIONAL CENTER FOR CONVENTIONS AND VISITOR TRADE.

POLICY 8.3 - Assure that areas of particular visitor attraction are provided with adequate public services for both residents and visitors.

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

COMMUNITY SAFETY ELEMENT

Objectives and Policies

OBJECTIVE 3:

ENSURE THE PROTECTION OF LIFE AND PROPERTY FROM THE EFFECTS OF FIRE OR NATURAL DISASTER THROUGH ADEQUATE EMERGENCY OPERATIONS PREPARATION.

Policy 1:

Maintain a local agency for the provision of emergency services to meet the needs of San Francisco.

Policy 2:

Develop and maintain viable, up-to-date in-house emergency operations plans, with necessary equipment, for operational capability of all emergency service agencies and departments.

Policy 3:

Maintain and expand agreements for emergency assistance from other jurisdictions to ensure adequate aid in time of need.

Policy 4:

Establish and maintain an adequate Emergency Operations Center.

Policy 5:

Maintain and expand the city's fire prevention and fire-fighting capability.

Policy 6:

Establish a system of emergency access routes for both emergency operations and evacuation.

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

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

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

No neighborhood-serving retail use would be displaced and the wireless communications network will enhance personal communication services.

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

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

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

The project would have no adverse impact on housing in the vicinity.

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

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

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

The Project would cause no displacement of industrial and service sector activity.

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

Compliance with applicable structural safety and seismic safety requirements would be considered during the building permit application review process.

- G. That landmarks and historic buildings be preserved.

There are no landmarks or historic buildings located on the subject property.

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

The Project will have no adverse impact on parks or open space, or their access to sunlight or vistas.

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

DECISION

The Commission, after carefully balancing the competing public and private interests, and based upon the Recitals and Findings set forth above, in accordance with the standards specified in the Code, hereby approves the Conditional Use authorization under Planning Code Sections 711.83 and 303 to install up to eight panel antennas and associated equipment cabinets on an existing one-story commercial building as part of the wireless transmission network operated by AT&T on a Location Preference Four (Preferred Location – Industrial or Commercial Structures) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within the NC-2 (Small-Scale Neighborhood Commercial) Zoning District and a 40-X Height and Bulk District and subject to the conditions of approval attached hereto as **Exhibit A**.

APPEAL AND EFFECTIVE DATE OF MOTION: Any aggrieved person may appeal this conditional use authorization to the Board of Supervisors within thirty (30) days after the date of this Motion No. XXXX. The effective date of this Motion shall be the date of this Motion if not appealed (after the 30-day period has expired) OR the date of the decision of the Board of Supervisors if appealed to the Board of Supervisors. For further information, please contact the Board of Supervisors at (415) 554-5184, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

I hereby certify that the foregoing Motion was adopted by the Planning Commission on **September 15, 2011**.

Linda Avery
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: September 15, 2011

EXHIBIT A

AUTHORIZATION

This authorization is for a Conditional Use Authorization under Planning Code Sections 711.83 and 303 to install a wireless telecommunications facility consisting of eight panel antennas with related equipment, a Location Preference 4 (Preferred Location – Industrial or Commercial Structures) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, as part of the AT&T wireless telecommunications network within a NC-2 (Small-Scale Neighborhood Commercial) Zoning District and a 40-X Height and Bulk District.

RECORDATION OF CONDITIONS OF APPROVAL

Prior to the issuance of the building permit or commencement of use for the Project the Zoning Administrator shall approve and order the recordation of a Notice in the Official Records of the Recorder of the City and County of San Francisco for the subject property. This Notice shall state that the project is subject to the conditions of approval contained herein and reviewed and approved by the Planning Commission on **September 15, 2011** under Motion No.XXXXX.

PRINTING OF CONDITIONS OF APPROVAL ON PLANS

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

SEVERABILITY

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

CHANGES AND MODIFICATIONS

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

Conditions of Approval, Compliance, Monitoring, and Reporting

PERFORMANCE

1. **Validity and Expiration.** The authorization and right vested by virtue of this action is valid for three years from the effective date of the Motion. A building permit from the Department of Building Inspection to construct the project and/or commence the approved use must be issued as this Conditional Use authorization is only an approval of the proposed project and conveys no independent right to construct the project or to commence the approved use. The Planning Commission may, in a public hearing, consider the revocation of the approvals granted if a site or building permit has not been obtained within three (3) years of the date of the Motion approving the Project. Once a site or building permit has been issued, construction must commence within the timeframe required by the Department of Building Inspection and be continued diligently to completion. The Commission may also consider revoking the approvals if a permit for the Project has been issued but is allowed to expire and more than three (3) years have passed since the Motion was approved.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

2. **Extension.** This authorization may be extended at the discretion of the Zoning Administrator only where failure to issue a permit by the Department of Building Inspection to perform said tenant improvements is caused by a delay by a local, State or Federal agency or by any appeal of the issuance of such permit(s).

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

DESIGN – COMPLIANCE AT PLAN STAGE

3. **Plan Drawings - WTS.** Prior to the issuance of any building or electrical permits for the installation of the facilities, the Project Sponsor shall submit final scaled drawings for review and approval by the Planning Department ("Plan Drawings"). The Plan Drawings shall describe:
 - a. **Structure and Siting.** Identify all facility related support and protection measures to be installed. This includes, but is not limited to, the location(s) and method(s) of placement, support, protection, screening, paint and/or other treatments of the antennas and other appurtenances to insure public safety, insure compatibility with urban design, architectural and historic preservation principles, and harmony with neighborhood character.
 - b. For the Project Site, regardless of the ownership of the existing facilities. Identify the location of all existing antennas and facilities; and identify the location of all approved (but not installed) antennas and facilities.
 - c. **Emissions.** Provide a report, subject to approval of the Zoning Administrator, that operation of the facilities in addition to ambient RF emission levels will not exceed adopted FCC standards with regard to human exposure in uncontrolled areas.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6613, www.sf-planning.org.

4. **Screening - WTS.** To the extent necessary For information about compliance with adopted FCC regulations regarding human exposure to RF emissions, and upon the recommendation of the Zoning Administrator, the Project Sponsor shall:
 - a. Modify the placement of the facilities;
 - b. Install fencing, barriers or other appropriate structures or devices to restrict access to the facilities;
 - c. Install multi-lingual signage, including the RF radiation hazard warning symbol identified in ANSI C95.2 1982, to notify persons that the facility could cause exposure to RF emissions;
 - d. Implement any other practice reasonably necessary to ensure that the facility is operated in compliance with adopted FCC RF emission standards.
 - e. To the extent necessary to minimize visual obtrusion and clutter, installations shall conform to the following standards:
 - f. Antennas and back up equipment shall be painted, fenced, landscaped or otherwise treated architecturally so as to minimize visual effects;
 - g. Rooftop installations shall be setback such that back up facilities are not viewed from the street;
 - h. Antennae attached to building facades shall be so placed, screened or otherwise treated to minimize any negative visual impact; and
 - i. Although co location of various companies' facilities may be desirable, a maximum number of antennas and back up facilities on the Project Site shall be established, on a case by case basis, such that "antennae farms" or similar visual intrusions for the site and area is not created.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6613, www.sf-planning.org.

MONITORING - AFTER ENTITLEMENT

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

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

6. **Monitoring.** The Project requires monitoring of the conditions of approval in this Motion. The Project Sponsor or the subsequent responsible parties for the Project shall pay fees as established under Planning Code Section 351(e) (1) and work with the Planning Department for information about compliance.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

7. **Revocation due to Violation of Conditions.** Should implementation of this Project result in complaints from interested property owners, residents, or commercial lessees which are not resolved by the Project Sponsor and found to be in violation of the Planning Code and/or the specific Conditions of Approval for the Project as set forth in Exhibit A of this Motion, the Zoning

Administrator shall refer such complaints to the Commission, after which it may hold a public hearing on the matter to consider revocation of this authorization.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

8. Implementation Costs - WTS.

- a. The Project Sponsor, on an equitable basis with other WTS providers, shall pay the cost of preparing and adopting appropriate General Plan policies related to the placement of WTS facilities. Should future legislation be enacted to provide for cost recovery for planning, the Project Sponsor shall be bound by such legislation.
- b. The Project Sponsor or its successors shall be responsible for the payment of all reasonable costs associated with implementation of the conditions of approval contained in this authorization, including costs incurred by this Department, the Department of Public Health, the Department of Technology, Office of the City Attorney, or any other appropriate City Department or agency. The Planning Department shall collect such costs on behalf of the City.
- c. The Project Sponsor shall be responsible for the payment of all fees associated with the installation of the subject facility, which are assessed by the City pursuant to all applicable law.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

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

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

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

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

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

For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, www.sfdph.org.

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

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

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

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

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

For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, www.sfdph.org.

OPERATION

14. **Community Liaison.** Prior to issuance of a building permit application to construct the project and implement the approved use, the Project Sponsor shall appoint a community liaison officer to deal with the issues of concern to owners and occupants of nearby properties. The Project Sponsor shall provide the Zoning Administrator written notice of the name, business address, and telephone number of the community liaison. Should the contact information change, the Zoning Administrator

shall be made aware of such change. The community liaison shall report to the Zoning Administrator what issues, if any, are of concern to the community and what issues have not been resolved by the Project Sponsor.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

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

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

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

For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, www.sfdph.org.

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

For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, www.sfdph.org.

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

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

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

For information about compliance, contact the Department of Technology, 415-581-4000, <http://sfgov3.org/index.aspx?page=1421>

DRAWING INDEX

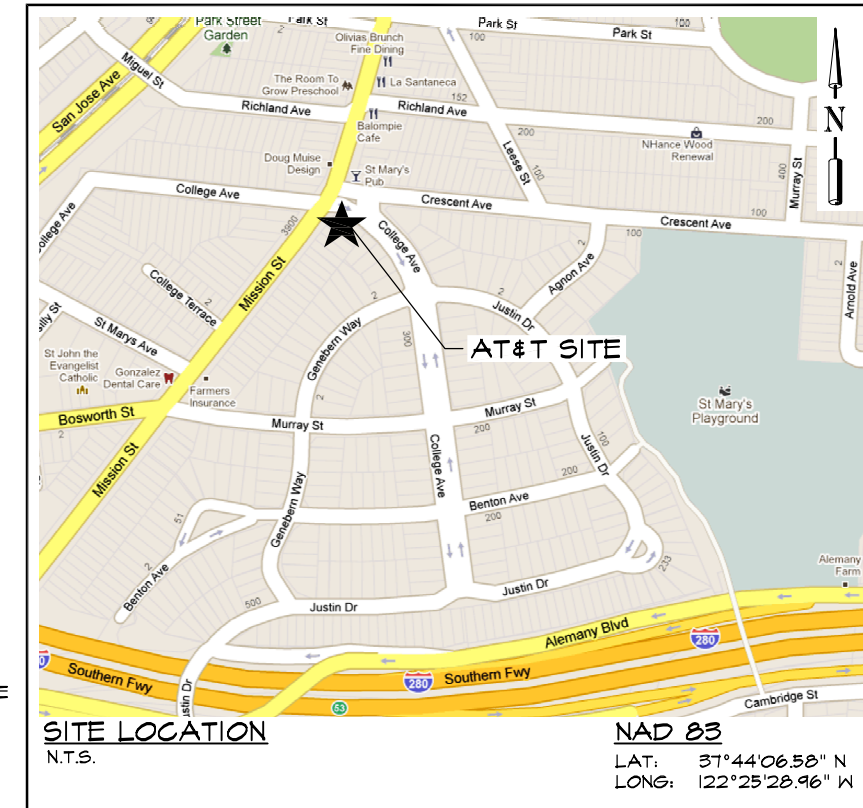
REV. NO.	DWG. NO.	DESCRIPTION
4	Z-1	COVER SHEET
2	LS-1	SITE SURVEY
4	Z-2	SITE PLAN
4	Z-3	ROOF PLAN
4	Z-4	EQUIPMENT ROOM LAYOUT
4	Z-5	NORTHEAST ELEVATION
4	Z-6	NORTHWEST ELEVATION
4	Z-7	SOUTHWEST ELEVATION
4	Z-8	SOUTHEAST ELEVATION
4	Z-9	UMTS AND GSM EQUIPMENT CABINET DETAILS
4	Z-10	DC POWER PLANT AND BATTERY BACKUP UNIT DETAILS
4	Z-11	LTE RACK DETAILS
4	Z-12	BATTERY BACKUP UNIT DETAILS
4	Z-13	RF DETAILS



3901-3905 MISSION ST CN5249A

DIRECTIONS FROM AT&T'S SAN FRANCISCO OFFICE:

-HEAD EAST ON BUSH ST TOWARD CLAUDE LN 0.1 MI
 -TURN RIGHT AT MONTGOMERY ST 0.2 MI
 -SLIGHT LEFT AT NEW MONTGOMERY ST 0.2 MI
 -TURN RIGHT AT HOWARD ST 0.3 MI
 -TURN LEFT AT 4TH ST 0.2 MI
 -TURN RIGHT ONTO THE RAMP TO US-101 S/SAN JOSE 0.2 MI
 -MERGE ONTO I-80 W 1.0 MI
 -MERGE ONTO US-101 S 1.0 MI
 -TAKE EXIT 432 FOR C CHAVEZ ST/POTRERO AVENUE 0.1 MI
 -KEEP RIGHT AT THE FORK, FOLLOW SIGNS FOR C CHAVEZ ST W/POTRERO AVE 318 FT
 -KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR CESAR CHAVEZ ST W AND MERGE ONTO CESAR CHAVEZ ST 0.8 MI
 -TURN LEFT AT MISSION ST 1.0 MI
 -ARRIVE AT 3901 MISSION ST, SAN FRANCISCO, CA



SITE LOCATION
N.T.S.

NAD 83
LAT: 37°44'06.58" N
LONG: 122°25'28.96" W

PROJECT ADDRESS:

3901-3905 MISSION ST
SAN FRANCISCO, CA 94112

APN:

5802-044

DESCRIPTION OF WORK:

THE PROJECT CONSISTS OF THE INSTALLATION OF INDOOR CABINETS IN THE BASEMENT AND (B) PANEL ANTENNAS SCREENED ON AN EXISTING ROOFTOP

APPLICANT:

AT&T
430 BUSH STREET,
SAN FRANCISCO, CA 94108

PROPERTY OWNER:

DINO AND JOE DIODATI
328 LANG ROAD
BURLINGAME, CA 94010
PHONE: (650) 348-2777

CODE INFORMATION:

ZONING CLASSIFICATION: NC-2
 PROPOSED USE: TELECOMMUNICATION FACILITY
 BUILDING CODE: 2010 SAN FRANCISCO BUILDING CODE
 ELECTRICAL CODE: 2010 SAN FRANCISCO ELECTRICAL CODE
 OCCUPANCY GROUP: U
 CONSTRUCTION TYPE: T.B.D.
 PROJECT AREA: ±180'-0" SQ FT
 STRUCTURE HEIGHT: ±23'-4" A.G.L. (T.O. SHROUD)
 ±18'-9" A.G.L. (T.O. EXISTING PARAPET)

PROJECT ENGINEER:

TRK ENGINEERING LTD.
#201 - 17688 66TH AVE
SURREY, BC V3S 7X1, CANADA
CONTACT: RANDY MARKS
TEL: (604) 574-6432
FAX: (604) 574-6431
TOLL FREE: 1-877-345-4045
EMAIL: rmarks@trkeng.com
WEB: www.trkeng.com

SURVEYOR:

TIMOTHY SCHAD, L.S.
10699 ROUND VALLEY RD
GRASS VALLEY, CA. 95949
PHONE: (530) 271-7477
FAX: (530) 271-7377

CONSTRUCTION MANAGER:

ERICSSON
CONTACT: SCOTT ROSS
PHONE: (530) 588-8207

SITE DEVELOPMENT:

TOWN CONSULTING
100 CLEMENT ST, 3RD FLOOR
SAN FRANCISCO, CA 94118
CONTACT: JOHN MERRITT
PHONE: (805) 886-0733

ZONING CONTACT:

TOWN CONSULTING
100 CLEMENT ST, 3RD FLOOR
SAN FRANCISCO, CA 94118
CONTACT: TONY KIM
PHONE: (415) 246-8855

JURISDICTION:

CITY AND COUNTY OF SAN FRANCISCO

ACCESSIBILITY:

INSTALLATION IS UNMANNED AND FREQUENTED ONLY BY SERVICE PERSONNEL FOR REPAIR OR MAINTENANCE PURPOSES. INSTALLATION IS NOT FOR HUMAN HABITATION / PUBLIC ACCESS. A.D.A. ACCESSIBILITY IS NOT REQUIRED (2010 SFBC, SECTION 1107B).

APPROVAL LIST

TITLE	SIGNATURE	DATE
CONSTRUCTION MANAGER		
SITE ACQUISITION		
ZONING MANAGER		
RF ENGINEER		
AT&T		



PROJECT NO: 1059-038

DRAWN BY: M.B.

CHECKED BY: R.M.

CAD FILE: 1059-038Z1

SUBMITTALS

4	SEP 06/11	REVISED PER ERICSSON
3	AUG 08/11	REVISED PER ERICSSON
2	JUN 06/11	REVISED PER ERICSSON
1	MAY 12/11	REVISED PER ERICSSON
0	MAY 05/11	100% ID's
A	APR 13/11	ISSUED FOR REVIEW

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT NAMED IS STRICTLY PROHIBITED.

A&E SEAL

SITE

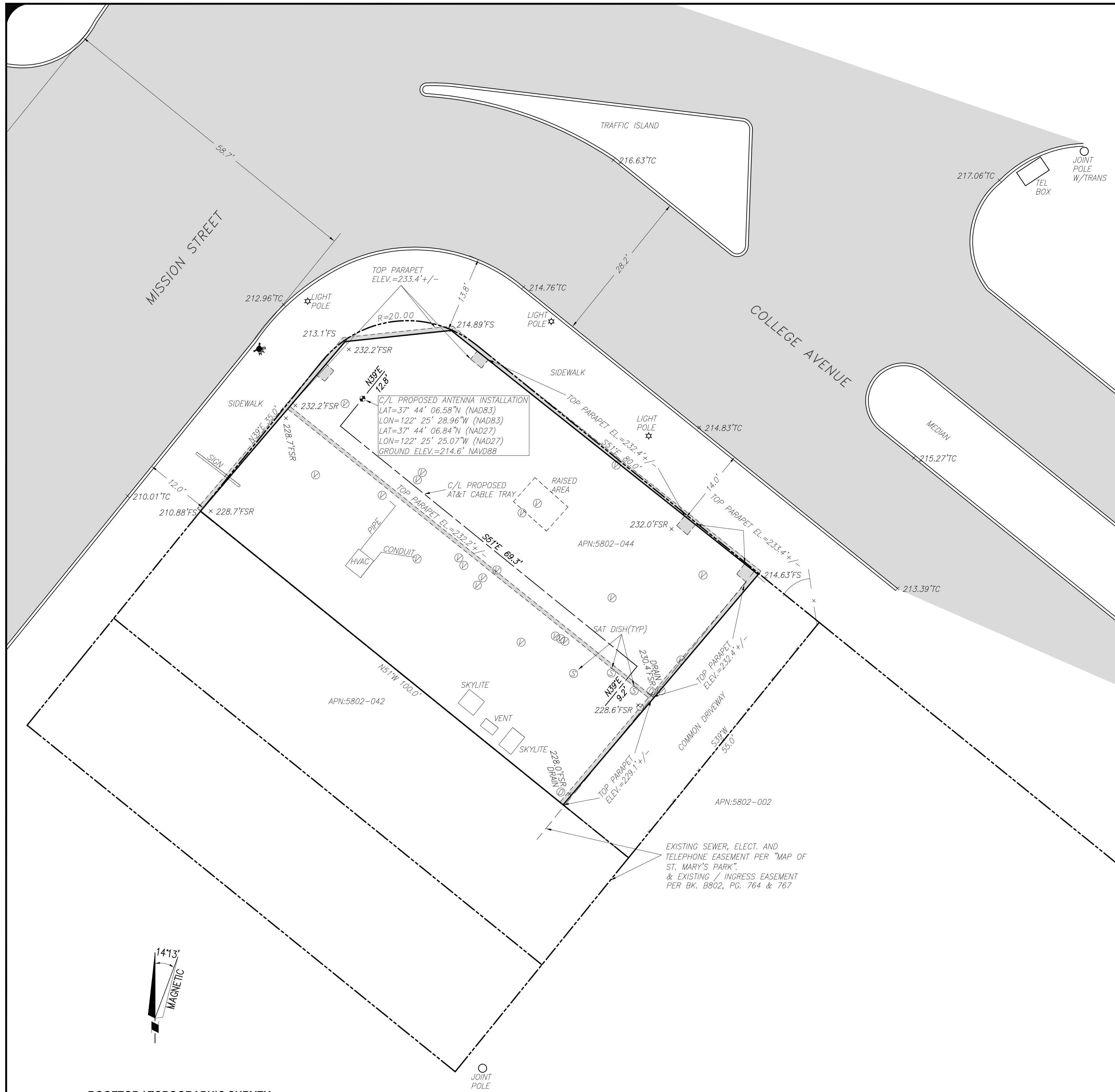
3901-3905 MISSION ST
CN5249A
3901-3905 MISSION ST
SAN FRANCISCO, CA
94112

SHEET TITLE

COVER SHEET

SHEET NUMBER

Z-1



SURVEY NOTES

1. ALL LATITUDES AND LONGITUDES ARE NAD 83. ALL ELEVATIONS ARE NAVD 88 (UNLESS NOTED OTHERWISE).
2. ALL BOUNDARY INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM RECORD DATA. SUFFICIENT MONUMENTATION WAS NOT RECOVERED IN THE FIELD TO ADEQUATELY LOCATE THE PARCEL BOUNDARY, WITH ADDITIONAL FIELD SURVEYING AND DOCUMENT RESEARCH THE BOUNDARY SHOWN HEREON MAY CHANGE.
3. DATE OF FIELD SURVEY APRIL 1, 2011.
4. PRELIMINARY TITLE REPORT NO. 380597, PREPARED BY STEWART TITLE HAS BEEN PROVIDED. ANY EASEMENTS OR OTHER TITLE RELATED ISSUES NOT INCLUDED IN SAID REPORT WHICH ARE PART OF THE TITLE PROCESS MAY OR MAY NOT HAVE BEEN ADDRESSED. TIMOTHY F. SCHAD, L.S. ACCEPTS NO RESPONSIBILITY OR LIABILITY FOR BOUNDARY OR TITLE ITEMS ADDRESSED HEREON. THIS IS NOT A BOUNDARY SURVEY.

LEGAL DESCRIPTION

PARENT PARCEL

THE LAND REFERRED TO HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF SAN FRANCISCO, CITY OF SAN FRANCISCO, AND DESCRIBED AS FOLLOWS:

LOT NOS. 1 AND 43 IN BLOCK 8802, ACCORDING TO THE MAP ENTITLED "MAP OF STATE OF CALIFORNIA, MARY'S PARK", FILED IN THE OFFICE OF THE RECORDER OF THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, FEBRUARY 28, 1924 AND RECORDED IN BOOK "J" OF MAPS, AT PAGES 47 TO 54, INCLUSIVE.

LOT 044; BLOCK 5802

LEASE AREA

TOGETHER WITH THE RIGHT OF ACCESS TO THE PROPOSED ANTENNA LOCATIONS, AS SHOWN HEREON TOGETHER WITH A 2.5' WIDE CO-AXIAL CABLE AND UTILITY EASEMENT FROM THE ABOVE DESCRIBED LEASE PREMISES TO THE PROPOSED ANTENNA LOCATIONS, AS SHOWN HEREON TOGETHER WITH THE RIGHTS OF INGRESS AND EGRESS BETWEEN THE PREVIOUSLY DESCRIBED LEASE AREA AND THE PUBLIC RIGHT OF WAY AND THE RIGHT TO INSTALL AND MAINTAIN UTILITIES NECESSARY FOR THE OPERATION OF THE FACILITY TO BE INSTALLED WITHIN THE PREVIOUSLY DESCRIBED LEASE AREA.

1-A ACCURACY CERTIFICATION

DATE OF SURVEY: APRIL 1, 2011
 SITE NUMBER / NAME: CN-5249A / 3901 MISSION
 TYPE: PROPOSED ROOFTOP INSTALLATION
 SITE ADDRESS: 3901-3905 MISSION ST., SAN FRANCISCO, CA. 94112

I, TIMOTHY SCHAD, HEREBY CERTIFY THE GEODETIC COORDINATES AT THE CENTERLINE OF THE PROPOSED ANTENNA INSTALLATION TO BE:

LAT = 37° 44' 06.58" N (NAD83)
 LON = 122° 25' 28.96" W (NAD83)
 LAT = 37° 44' 06.84" N (NAD27)
 LON = 122° 25' 25.07" W (NAD27)

AND FURTHER CERTIFY THAT THE ELEVATIONS HEREON ARE ABOVE MEAN SEA LEVEL (NAVD-88) AND ARE AS FOLLOWS:

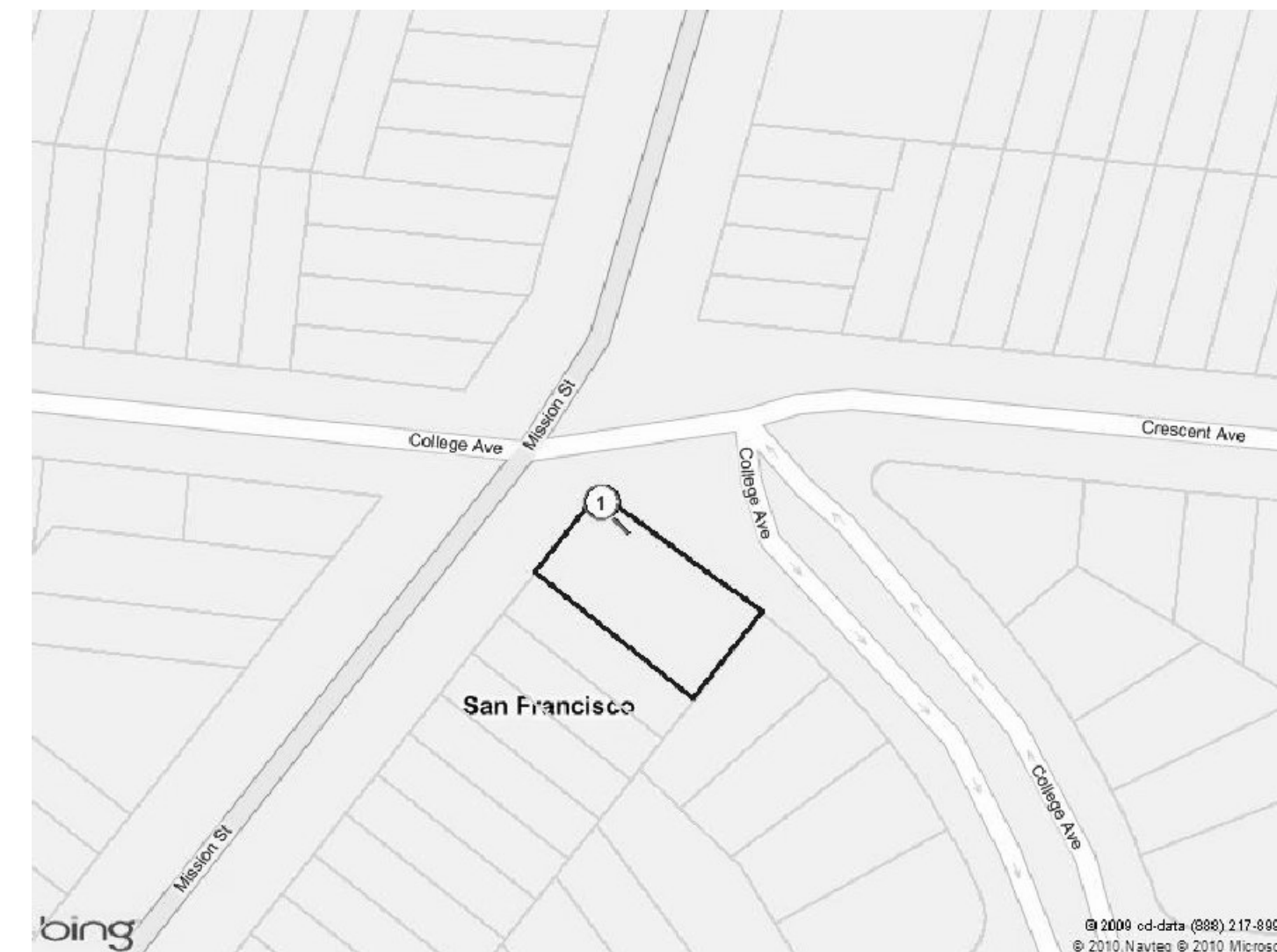
GROUND ELEVATION (EASTERLY BLDG. COR.): 214.6 FT. NAVD88 (0.0' A.G.L.)
 TOP OF STRUCTURE (TOP EXIST PARAPET): 233.4 FT. NAVD88 (18.8' A.G.L.)
 OVERALL HEIGHT OF STRUCTURE: 233.4 FT. NAVD88 (18.8' A.G.L.) (TOP EXIST PARAPET)

TOP PROPOSED HIGHEST ANTENNA: 241.9 FT. NAVD88 (27.3' A.G.L.)
 TOP PROPOSED RADOME: 242.4 FT. NAVD88 (27.8' A.G.L.)

THE ACCURACY STANDARDS FOR THIS CERTIFICATION ARE AS FOLLOWS:
 GEODETIC COORDINATES: +/- FIFTEEN (15) FEET (NAD-83)
 ELEVATIONS: +/- THREE (3) FEET (NAVD-88)

LEGEND

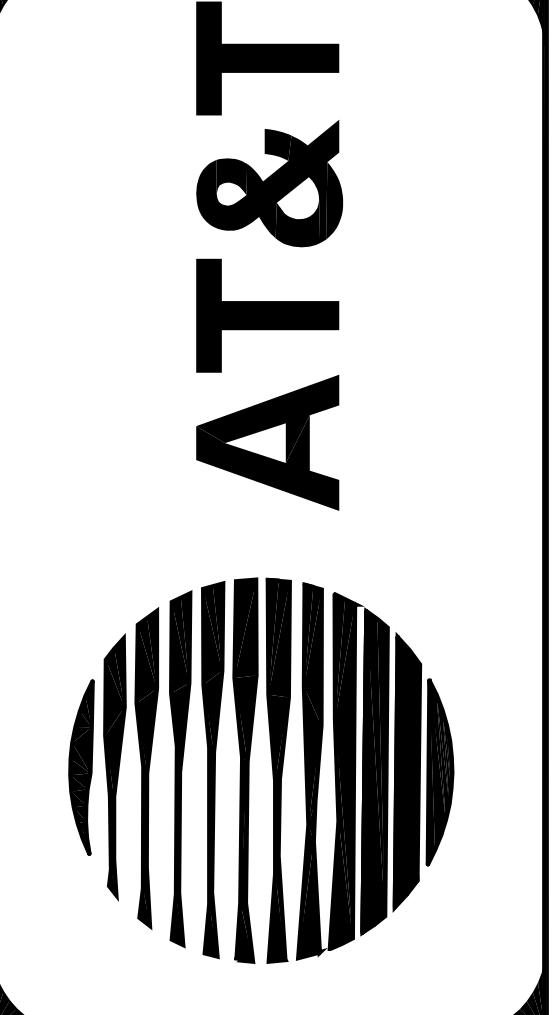
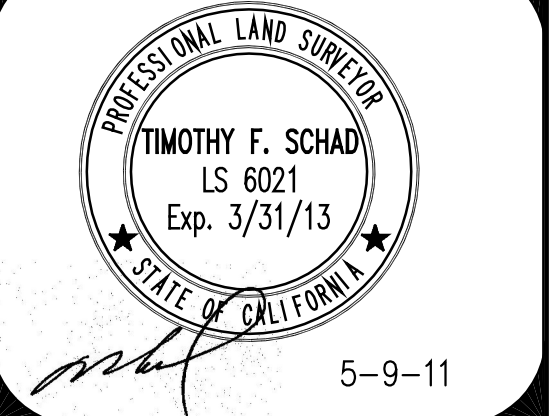
- PROPERTY LINE
- FLOW LINE
- TEL --- TEL TELEPHONE LINE
- E --- E ELECTRIC LINE
- E&T --- E&T ELECTRIC AND TELEPHONE LINES
- x --- x FENCE
- ⊗ FIRE HYDRANT
- ← GUY WIRE
- ⊙ STREET SIGN
- ⊗ STREET LIGHT
- ⊗ WATER VALVE
- FS FINISH SURFACE
- FL FLOW LINE
- FSR FINISH SURFACE ROOF
- TC TOP OF CURB
- BFC BOTTOM FACE OF CURB
- TW TOP OF WALL
- BW BOTTOM OF WALL
- TBW TOP BACK OF WALK
- ⊙ GROUND WELL
- ⊙ ROOF DRAIN
- ⊙ BOLLARD
- ⊙ VENT



ISSUE STATUS

DATE	DESCRIPTION	REV.
4-5-11	PRELIM	TS
4-14-11	PRELIM	TS
5-5-11	FINAL	TS
5-9-11	1-A CERT.	TS

TIMOTHY SCHAD, L.S.
 10899 ROUND VALLEY RD.
 GRASS VALLEY, CA. 95949
 PHONE: (530) 271-7477
 FAX: (530) 271-7377



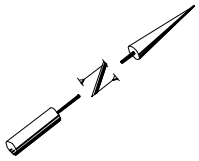
CN-5249A
 "3901-3905 MISSION ST."
 3901 MISSION ST.
 SAN FRANCISCO, CA 94112
 SAN FRANCISCO COUNTY
 APN: 5802-044

SHEET TITLE:
SITE SURVEY

LS-1

ROOFTOP / TOPOGRAPHIC SURVEY
 1"=10'

VICINITY MAP
 NO SCALE

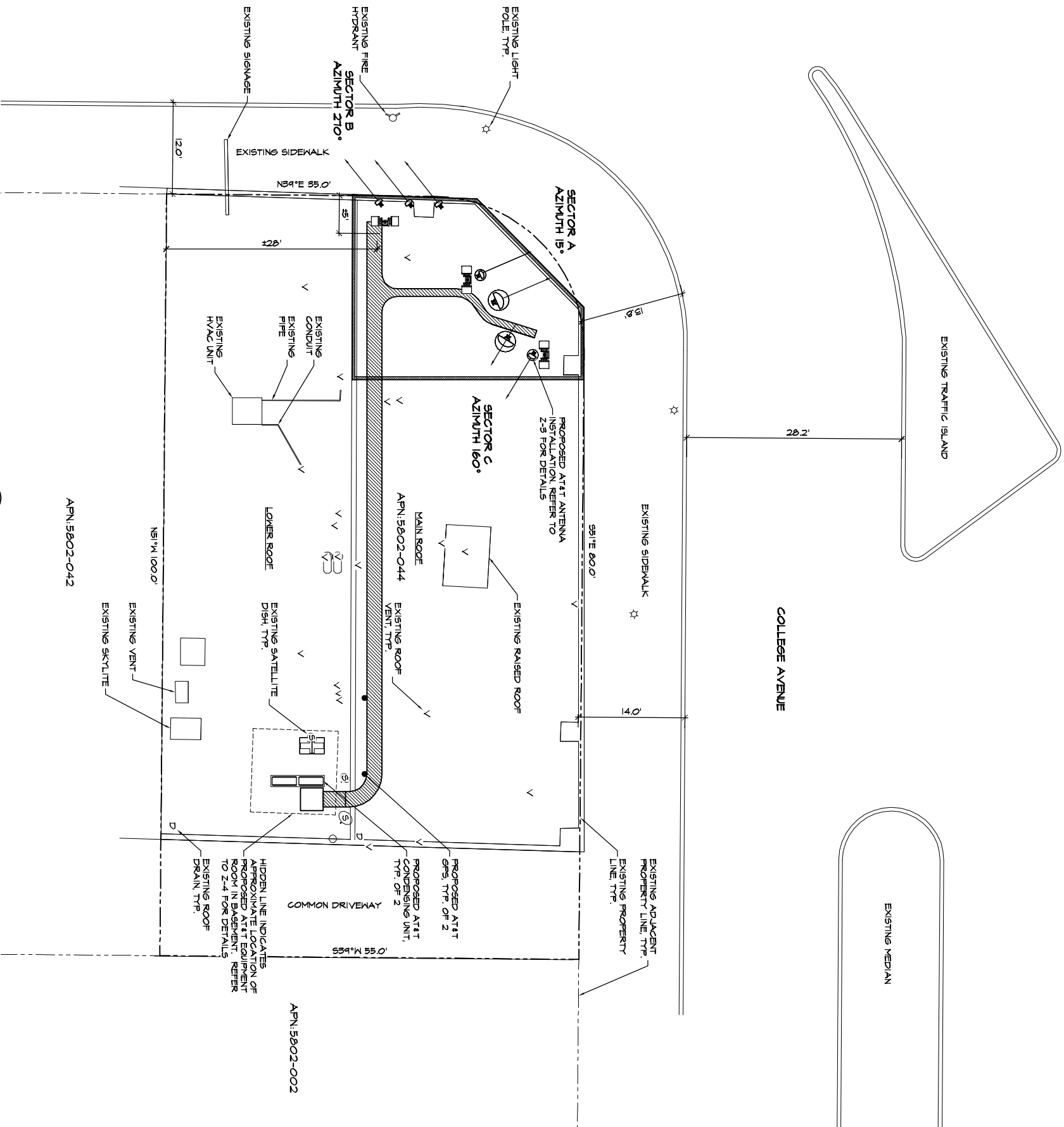


DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED

NOTES:
 1. SITE PLAN INFORMATION WAS OBTAINED FROM A SURVEY PREPARED BY TIMOTHY SCHAD, L.S., DATED MAY 05, 2011.
LEGAL DESCRIPTION:
 PARENT PARCEL
 FENDING RECEIPT OF PRELIMINARY TITLE REPORT

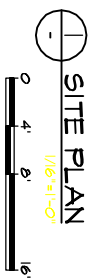


COLLEGE AVENUE



APN: 5802-042

APN: 5802-002



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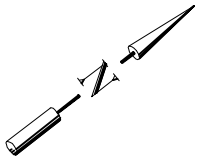
4	SEP 08/11	REVISED PER ERICSSON
3	AUG 08/11	REVISED PER ERICSSON
2	JAN 08/11	REVISED PER ERICSSON
1	MAY 12/11	REVISED PER ERICSSON
0	MAY 05/11	100% 2D
A	APR 07/11	ISSUED FOR REVIEW

PROJECT NO: 1094-038
 DRAWN BY: MJB
 CHECKED BY: RLM
 CAD FILE: 1094-03822
 SUBMITTALS

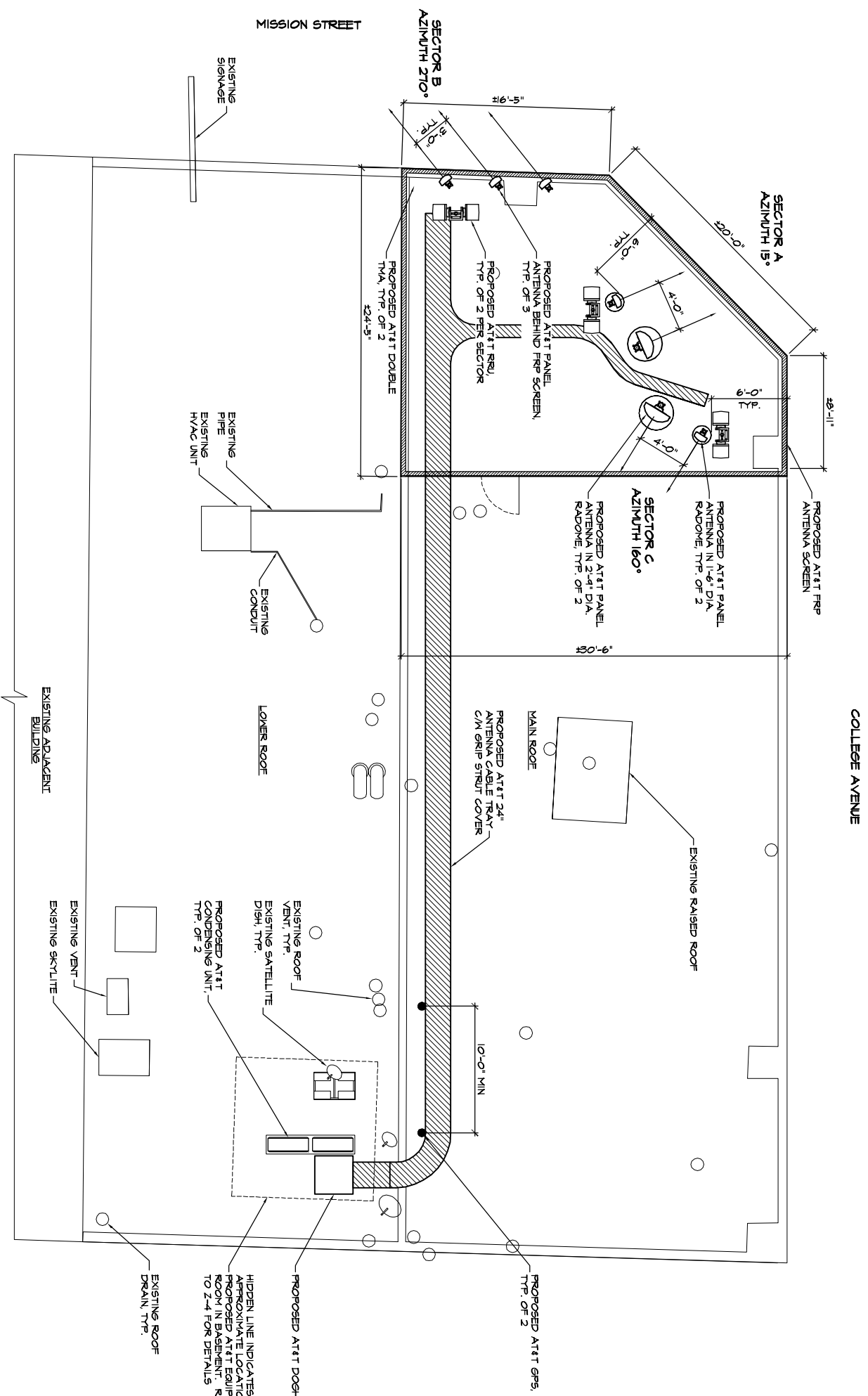
SITE
 3901-3905 MISSION ST
 C#5249/A
 3901-3905 MISSION ST
 SAN FRANCISCO, CA
 94112

SHEET TITLE
 SITE PLAN

SHEET NUMBER
Z-2

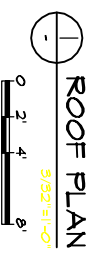


DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED



COLLEGE AVENUE

MISSION STREET





NOTES:

1. ROOF PLAN INFORMATION WAS OBTAINED FROM SITE MEASUREMENTS TAKEN BY TRK ENGINEERING LTD. DATED APRIL 1, 2011 AND A SURVEY PREPARED BY TIMOTHY SCHAID, L.S., DATED APRIL 14, 2011.
2. RE MARKING SIGNAGE WILL BE POSTED AT ALL ROOFTOP ACCESS LOCATIONS.
3. CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ROOF MEMBRANE DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED TO AS NEW CONDITION IN ACCORDANCE WITH STANDARD ROOFING PRACTICES.
5. CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.
6. PAINT FRP SKEUD TO MATCH EXISTING BUILDING EXTERIOR.

- PROPOSED ATTT GPS, TYP. OF 2
- PROPOSED ATTT DOGHOUSE
- HIDDEN LINE INDICATES PROXIMATE LOCATION OF PROPOSED ATTT EQUIPMENT ROOM IN BASEMENT. REFER TO Z-4 FOR DETAILS
- EXISTING ROOF DRAIN, TYP.
- EXISTING ROOF VENT, TYP.
- EXISTING SATELLITE DISH, TYP.
- PROPOSED ATTT CONDENSING UNIT, TYP. OF 2
- EXISTING SKYLITE
- EXISTING RAISED ROOF
- EXISTING CONDUIT
- EXISTING PIPE EXISTING HYDRO UNIT
- PROPOSED ATTT DOUBLE TYP. OF 2
- PROPOSED ATTT PANEL ANTENNA BEHIND FRP SCREEN TYP. OF 3
- PROPOSED ATTT PANEL ANTENNA IN 1'-6" DIA. RADOOME, TYP. OF 2
- PROPOSED ATTT PANEL ANTENNA IN 2'-4" DIA. RADOOME, TYP. OF 2
- PROPOSED ATTT 24" ANTENNA CABLE TRAY C/M GRIP STRUT COVER
- MAIN ROOF
- LOWER ROOF
- EXISTING SIGNAGE

SECTOR	CABLE LENGTH (APPROX)
A (ALPHA)	128'-0"
B (BETA)	128'-0"
C (GAMMA)	140'-0"

PROJECT NO: 1094-036

DRAWN BY: M.B.

CHECKED BY: R.M.

CAD FILE: 1094-03623

SUBMITTALS

4	SEP 08/11	REVISED PER ERICSSON
3	AUG 08/11	REVISED PER ERICSSON
2	JAN 08/11	REVISED PER ERICSSON
1	MAY 12/11	REVISED PER ERICSSON
0	MAY 05/11	100% 27%
4	APR 05/11	ISSUED FOR REVIEW

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A/E SEAL

SITE

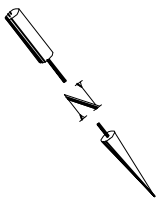
3901-3905 MISSION ST
CNS249/A
3901-3905 MISSION ST
SAN FRANCISCO, CA
94112

SHEET TITLE

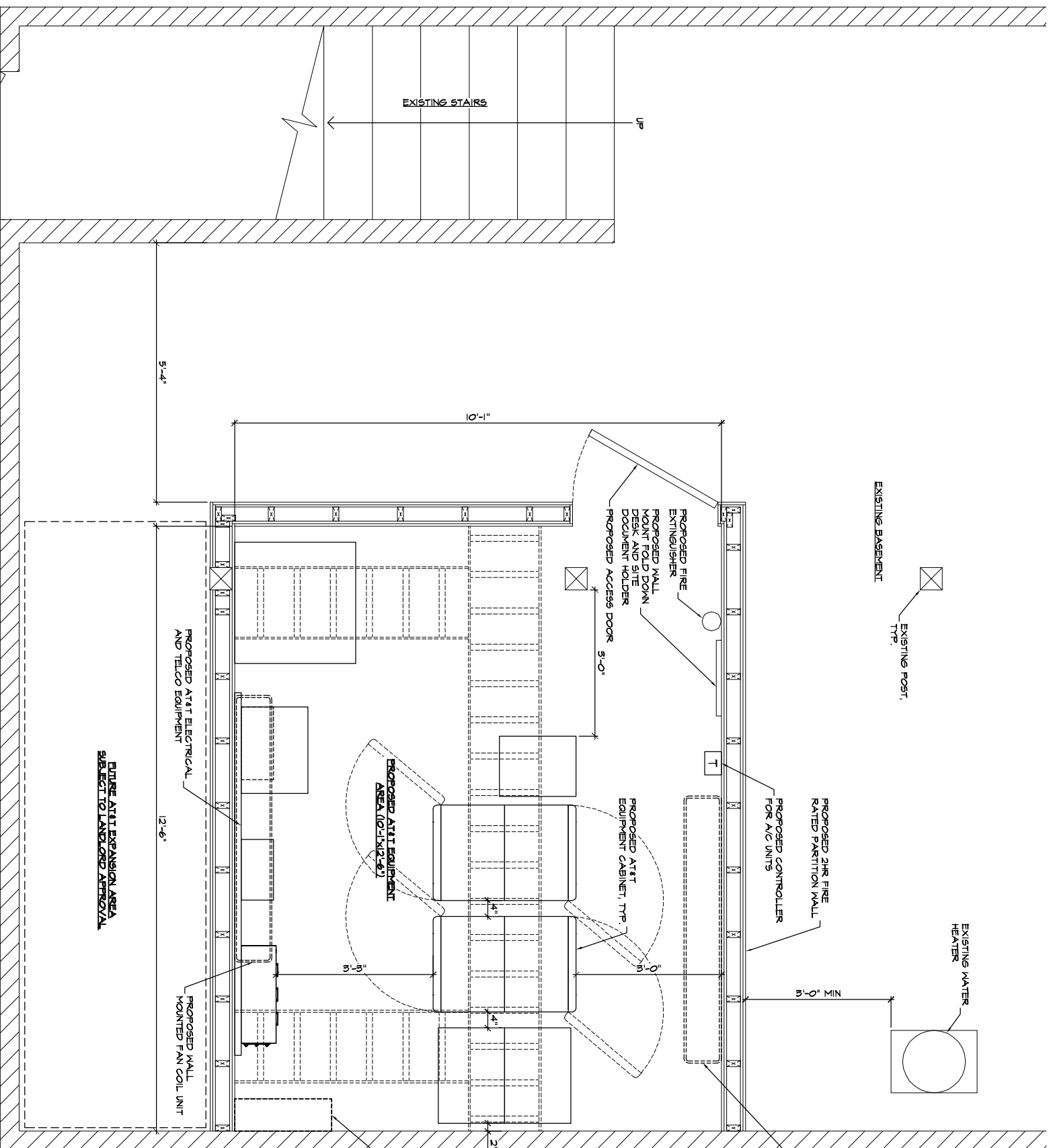
ROOF PLAN

SHEET NUMBER

Z-3



DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED



- NOTES:**
- FLOOR PLAN INFORMATION WAS OBTAINED FROM SITE MEASUREMENTS TAKEN BY TRK ENGINEERING, LTD. ON APRIL 1, 2011.
 - CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AS WELL AS THE LOCAL, STATE, AND FEDERAL REGULATIONS (AMU) FOR THE LOCATION. THE EDITION OF THE AMU ADOPTED COPIES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
 - CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.

2 EQUIPMENT ROOM LAYOUT
1/4" = 1'-0"



PROPOSED AT&T 24" ANTENNA CABLE TRAY ROUTE UP THROUGH ROOF TO PROPOSED DOORHOUSE

FUTURE AT&T EXPANSION AREA SUBJECT TO LANDLORD APPROVAL



PROJECT NO: 1094-0368

DRAWN BY: M.B.

CHECKED BY: R.M.

CAD FILE: 1094-03624

SUBMITTALS

4	SEP 06/11	REVISED PER ERICSSON
3	AUG 06/11	REVISED PER ERICSSON
2	JAN 06/11	REVISED PER ERICSSON
1	MAY 12/11	REVISED PER ERICSSON
0	MAY 05/11	100% 2D
A	APR 05/11	ISSUED FOR REVIEW

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A&E SEAL

SITE
3901-3905 MISSION ST
CNS249/A
3901-3905 MISSION ST
SAN FRANCISCO, CA
94112

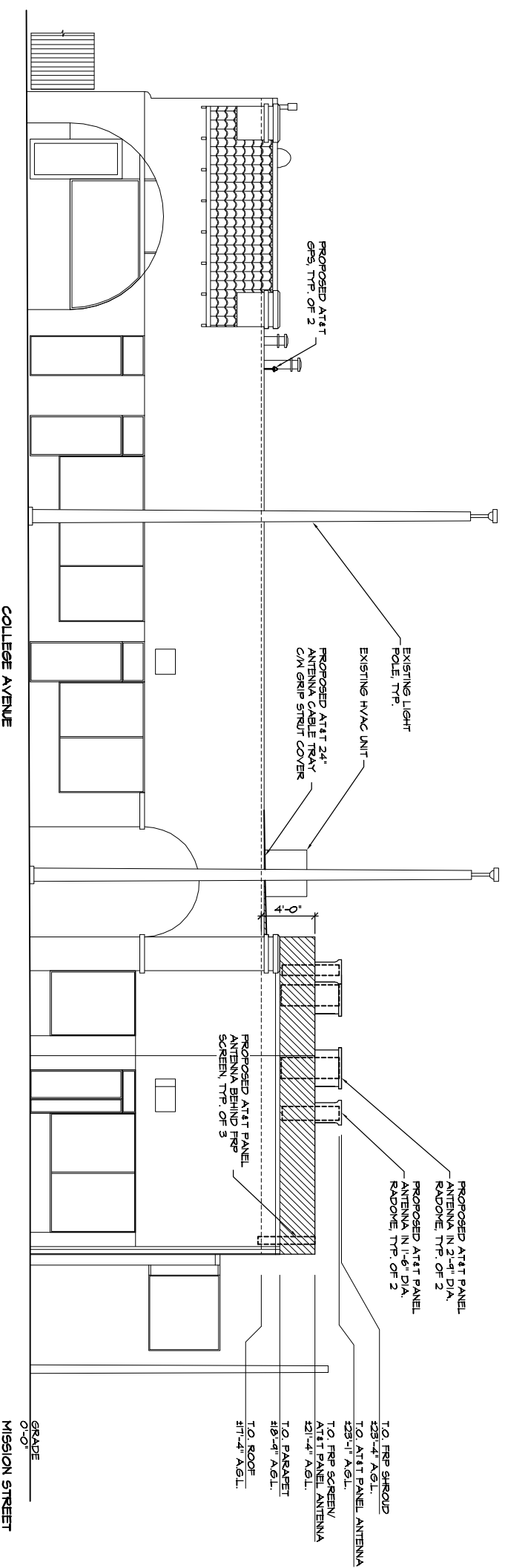
SHEET TITLE
EQUIPMENT ROOM LAYOUT

SHEET NUMBER
Z-4

DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED

NOTES:

1. ELEVATION IS DIAGRAMMATIC ONLY.
2. RF WARNING SIGNAGE WILL BE POSTED AT ALL ROOFTOP ACCESS LOCATIONS.
3. CONTRACTORS WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHL) FOR THE LOCATION. THE EDITION OF THE AHL ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ROOF MEMBRANE DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED TO AS NEW CONDITION IN ACCORDANCE WITH STANDARD ROOFING PRACTICES.
5. CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.
6. PAINT FRP SCREEN TO MATCH EXISTING BUILDING EXTERIOR COLOR AND TEXTURE.



NORTHEAST ELEVATION
9/23/21-0



PROJECT NO: 1094-038

DRAWN BY: MJB

CHECKED BY: RLM

CAD FILE: 1094-03825

SUBMITTALS

4	SEP 08/11	REVISED PER ERICSSON
3	AUG 08/11	REVISED PER ERICSSON
2	JAN 08/11	REVISED PER ERICSSON
1	MAY 05/11	REVISED PER ERICSSON
0	MAY 05/11	100% 2D
A	APR 05/11	ISSUED FOR REVIEW

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A&E SEAL

SITE

3901-3905 MISSION ST
CNS249/A
3901-3905 MISSION ST
SAN FRANCISCO, CA
94112

SHEET TITLE

NORTHEAST ELEVATION

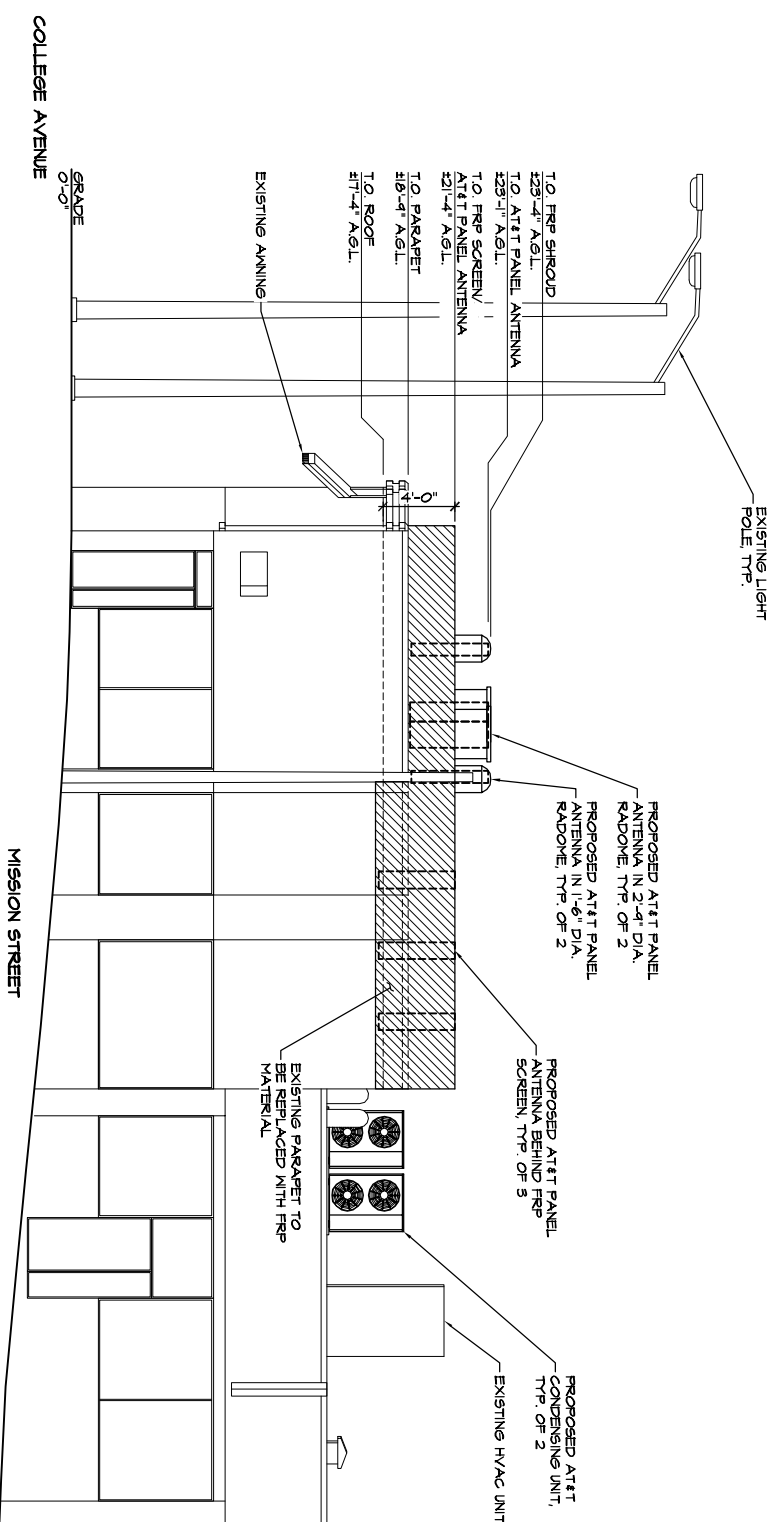
SHEET NUMBER

Z-5

DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED

NOTES:

- ELEVATION IS DIAGRAMMATIC ONLY.
- RF WARNING SIGNAGE WILL BE POSTED AT ALL ROOFTOP ACCESS LOCATIONS.
- CONTRACTORS WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
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- CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.
- PAINT FRP SCREEN TO MATCH EXISTING BUILDING EXTERIOR COLOR AND TEXTURE.



NORTHWEST ELEVATION
3/23/11-07



PROJECT NO: 1094-038

DRAWN BY: M.B.

CHECKED BY: R.M.

CAD FILE: 1094-03826

SUBMITTALS

4	SEP 08/11	REVISED PER ERICSSON
3	AUG 08/11	REVISED PER ERICSSON
2	JAN 08/11	REVISED PER ERICSSON
1	MAY 12/11	REVISED PER ERICSSON
0	MAY 05/11	100% 2D
A	MAY 05/11	ISSUED FOR REVIEW

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A&T SEAL

SITE

3901-3905 MISSION ST
CNS249/A
3901-3905 MISSION ST
SAN FRANCISCO, CA
94112

SHEET TITLE

NORTHWEST ELEVATION

SHEET NUMBER

Z-6

DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED

NOTES:

1. ELEVATION IS DIAGRAMMATIC ONLY.
2. RF WARNING SIGNAGE WILL BE POSTED AT ALL ROOFTOP ACCESS LOCATIONS.
3. CONTRACTORS WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (LHA) FOR THE LOCATION. THE EDITION OF THE LHA ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ROOF MEMBRANE DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED TO AS NEW CONDITION IN ACCORDANCE WITH STANDARD ROOFING PRACTICES.
5. CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.
6. PAINT FRP SCREEN TO MATCH EXISTING BUILDING EXTERIOR COLOR AND TEXTURE.



PROJECT NO: 1094-038

DRAWN BY: MJB

CHECKED BY: RLM

CAD FILE: 1094-03827

SUBMITTALS

4	SEP 06/11	REVISED PER ERICSSON
3	AUG 09/11	REVISED PER ERICSSON
2	JAN 09/11	REVISED PER ERICSSON
1	MAY 05/11	100% 27% ISSUED FOR REVIEW

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A&E SEAL

SITE

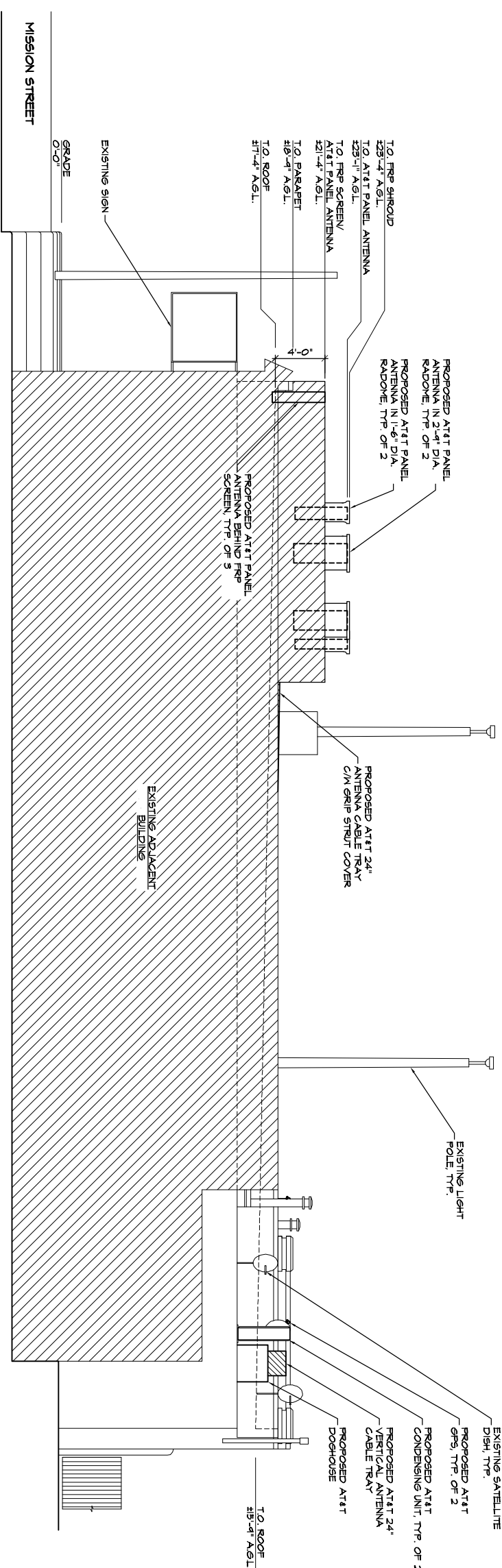
3901-3905 MISSION ST
 CN5249/A
 3901-3905 MISSION ST
 SAN FRANCISCO, CA
 94112

SHEET TITLE

SOUTHWEST ELEVATION

SHEET NUMBER

Z-7



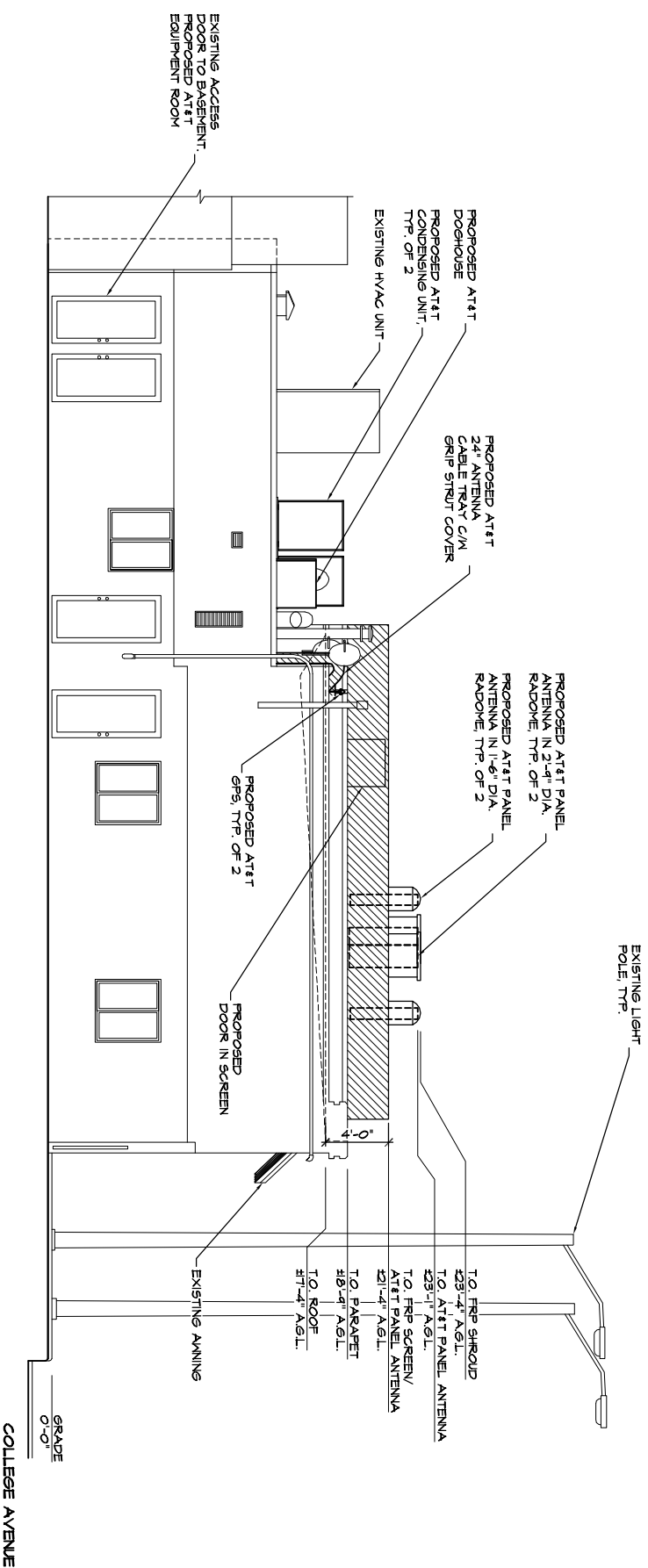
SOUTHWEST ELEVATION
 3/20/11-07



DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED

NOTES:

1. ELEVATION IS DIAGRAMMATIC ONLY.
2. RF WARNING SIGNAGE WILL BE POSTED AT ALL ROOFTOP ACCESS LOCATIONS.
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6. PAINT FRP SCREEN TO MATCH EXISTING BUILDING EXTERIOR COLOR AND TEXTURE.



PROJECT NO: 1094-038

DRAWN BY: MJB

CHECKED BY: RLM

CAD FILE: 1094-03828

SUBMITTALS

4	SEP 08/11	REVISED PER ERICSSON
3	AUG 08/11	REVISED PER ERICSSON
2	JAN 08/11	REVISED PER ERICSSON
1	MAY 12/11	REVISED PER ERICSSON
0	MAY 05/11	100% 2D
A	APR 05/11	ISSUED FOR REVIEW

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AME SEAL

SITE

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 SAN FRANCISCO, CA
 94112

SHEET TITLE

SOUTHEAST ELEVATION

SHEET NUMBER

Z-8



PROJECT NO: 1094-036

DRAWN BY: M.B.

CHECKED BY: R.M.

CAD FILE: 1094-03624

SUBMITTALS

4	SEP 06/11	REVISED PER ERICSSON
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2	JAN 06/11	REVISED PER ERICSSON
1	MAY 12/11	REVISED PER ERICSSON
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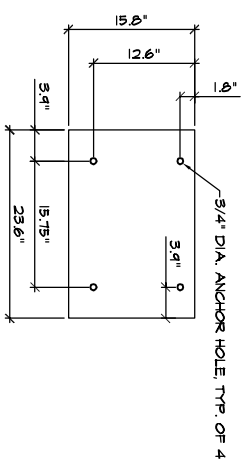
A/E SEAL

SITE

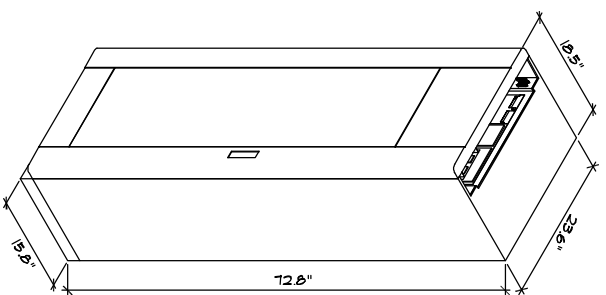
3901-3905 MISSION ST
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 SAN FRANCISCO, CA
 94112

SHEET TITLE
 UMTS AND GSM
 EQUIPMENT CABINET
 DETAILS

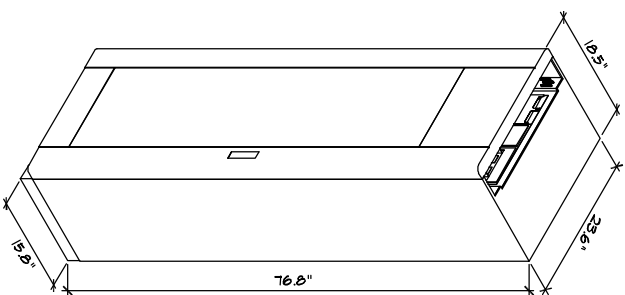
SHEET NUMBER
Z-9



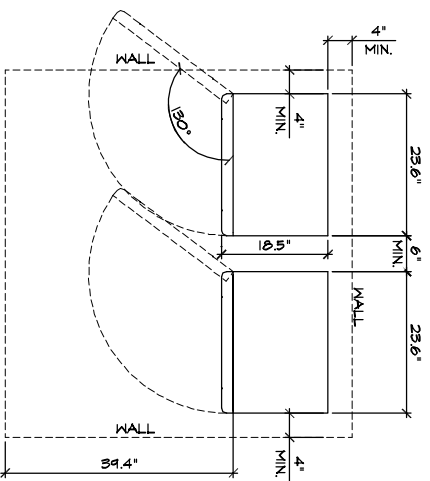
EQUIPMENT CABINET BOLT
 DOWN PATTERN



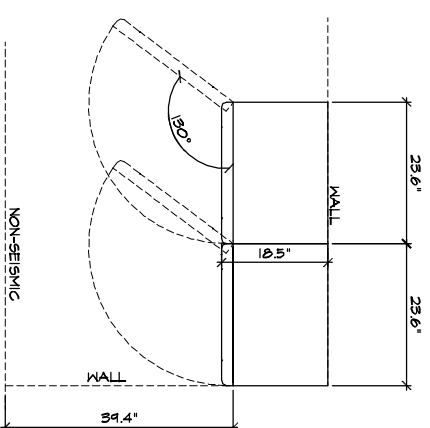
EQUIPMENT CABINET 1
 ISOMETRIC VIEW



EQUIPMENT CABINET 2
 ISOMETRIC VIEW



TYPICAL EQUIPMENT CABINET
 GROWTH CONFIGURATION (SEISMIC)



NON-SEISMIC

EQUIPMENT CABINET DIMENSIONS

	WIDTH X DEPTH X HEIGHT
CABINET 1	23.6' x 18.5' x 12.8'
CABINET 2	23.6' x 18.5' x 16.8'
FOOTPRINT	23.6' x 18.8'

EQUIPMENT CABINET WEIGHTS (FULLY EQUIPPED)

CABINET 1	CABINET 2
507 lbs	441 lbs

EQUIPMENT CABINET CLEARANCES

DIRECTION	MINIMUM CLEARANCE BASIC	SEISMIC DESIGN
CABINET REAR AND WALL	0'	4'
CABINET RIGHT/LEFT SIDE AND WALL	0'	4'
BETWEEN CABINETS	0'	6'
ABOVE THE CABINET	4.8'	4.8'
IN FRONT OF THE CABINET	39.4"	39.4"



PROJECT NO: 1094-038

DRAWN BY: MJB

CHECKED BY: R.M.

CAD FILE: 1094-038210

SUBMITTALS

4	SEP 08/11	REVISED PER ERICSSON
3	AUG 08/11	REVISED PER ERICSSON
2	JAN 08/11	REVISED PER ERICSSON
1	MAY 12/11	REVISED PER ERICSSON
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AIR SEAL

SITE

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 SAN FRANCISCO, CA
 94112

SHEET TITLE
 DC POWER PLANT AND
 BATTERY BACKUP UNIT
 DETAILS

SHEET NUMBER
Z-10

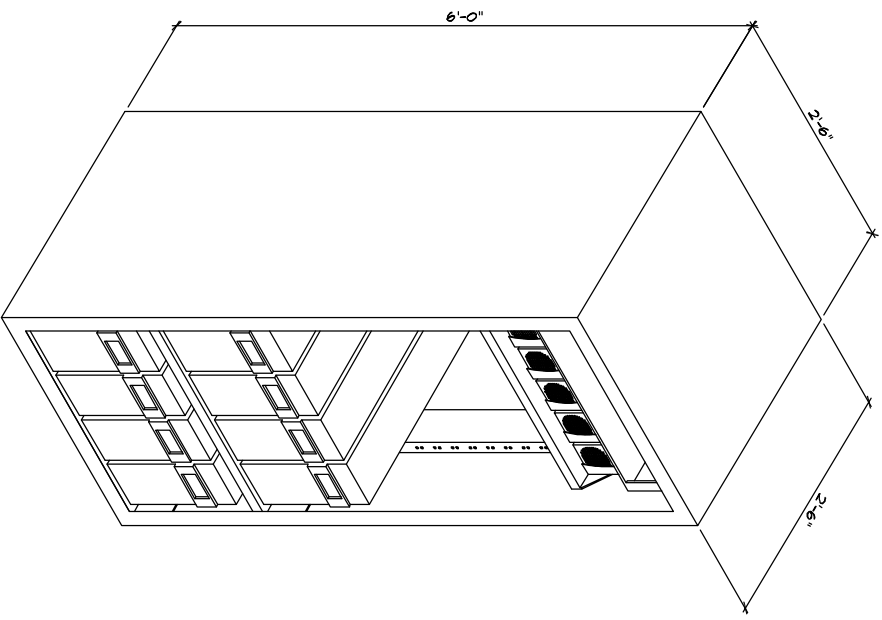
POWER PLANT	
MIDTH X DEPTH X HEIGHT	
CABINET	30' x 30' x 12'
FOOTPRINT	30' x 30'

POWER PLANT WEIGHT	
FULLY EQUIPPED	
	180 lbs

POWER PLANT CLEARANCES	
DIRECTION	MINIMUM CLEARANCE
CABINET REAR AND WALL	T.B.D.
CABINET RIGHT/LEFT SIDE AND WALL	T.B.D.
ABOVE THE CABINET	T.B.D.
IN FRONT OF THE CABINET	36"

BATTERY INFORMATION			
MANUFACTURER	QUANTITY	WEIGHT	ELECTROLYTE
T.B.D.	T.B.D.	T.B.D.	T.B.D.

NOTE: BATTERIES ARE TOTALLY SEALED LEAD ACID BATTERIES



POWER PLANT
 ISOMETRIC VIEW



PROJECT NO: 1094-098

DRAWN BY: MJB

CHECKED BY: R.M.

CAD FILE: 1094-098211

SUBMITTALS

4	SEP 08/11	REVISED PER ERICSSON
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2	JUN 08/11	REVISED PER ERICSSON
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SHEET TITLE

LTE RACK DETAILS

SHEET NUMBER

7-11

RACK DIMENSIONS

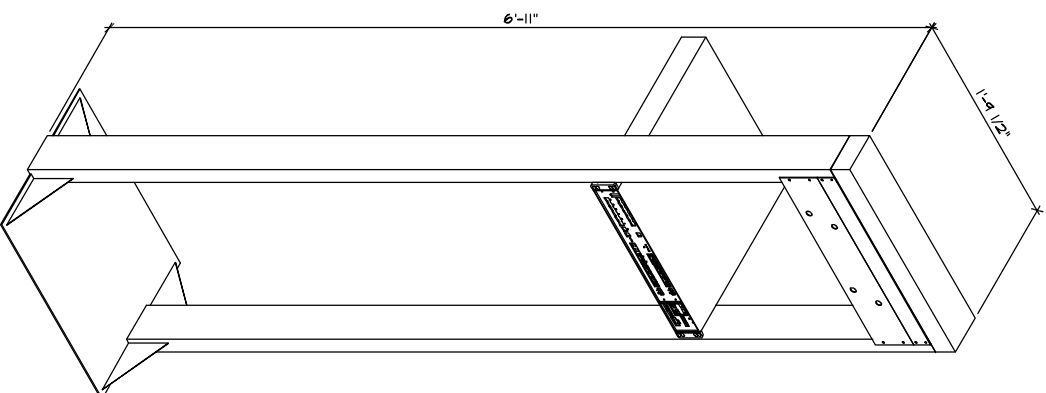
RACK	WIDTH x DEPTH x HEIGHT
19"	TBD.

RACK WEIGHT

RACK	FULLY EQUIPPED
19"	TBD.

RACK CLEARANCES

DIRECTION	MINIMUM CLEARANCE
RACK REAR AND WALL	TBD.
RACK RIGHT SIDE AND WALL	TBD.
RACK LEFT SIDE AND WALL	TBD.
ABOVE THE RACK	TBD.
IN FRONT OF THE RACK	TBD.



INDOOR LTE EQUIPMENT
 (19" EQUIPMENT RACK)



PROJECT NO: 1094-038

DRAWN BY: MJB

CHECKED BY: R.M.

CAD FILE: 1094-038212

SUBMITTALS

4	SEP 06/11	REVISED PER ERICSSON
3	AUG 06/11	REVISED PER ERICSSON
2	JAN 06/11	REVISED PER ERICSSON
1	MAY 12/11	REVISED PER ERICSSON
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A/E SEAL

SITE

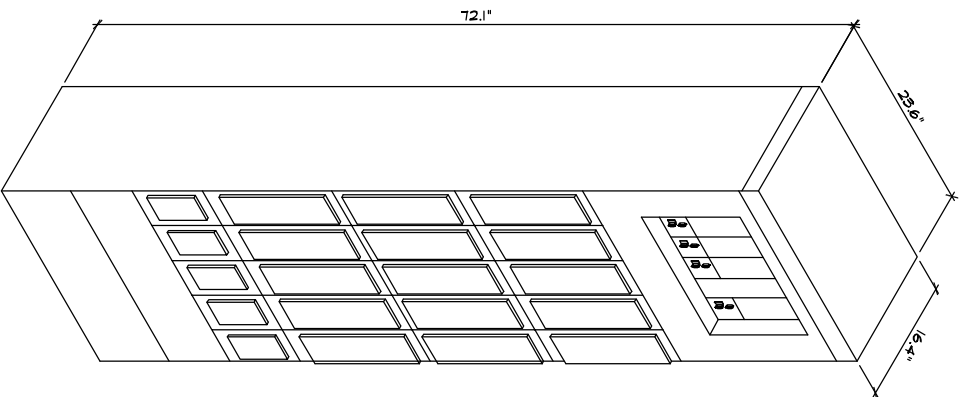
3901-3905 MISSION ST
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 3901-3905 MISSION ST
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 94112

SHEET TITLE

BATTERY BACKUP UNIT
 DETAILS

SHEET NUMBER

Z-12



EQUIPMENT CABINET ISOMETRIC VIEW

EQUIPMENT CABINET DIMENSIONS	
MIDTH X DEPTH X HEIGHT	
CABINET	25.6" x 16.4" x 72.1"
FOOTPRINT	25.6" x 16.4"
EQUIPMENT CABINET WEIGHT	
FULLY EQUIPPED	
2040 lbs	
EQUIPMENT CABINET CLEARANCES	
DIRECTION	MINIMUM CLEARANCE
CABINET REAR AND WALL	0"
CABINET RIGHT/LEFT SIDE AND WALL	0"
ABOVE THE CABINET	T.B.D.
IN FRONT OF THE CABINET	36"



PROJECT NO: 1094-038

DRAWN BY: M.B.

CHECKED BY: R.M.

CAD FILE: 1094-038213

SUBMITTALS

4	SEP 06/11	REVISED PER ERICSSON
3	AUG 06/11	REVISED PER ERICSSON
2	JUN 06/11	REVISED PER ERICSSON
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AIE SEAL

SITE

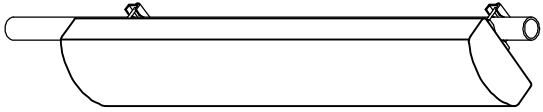
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 3901-3905 MISSION ST
 SAN FRANCISCO, CA
 94112

SHEET TITLE

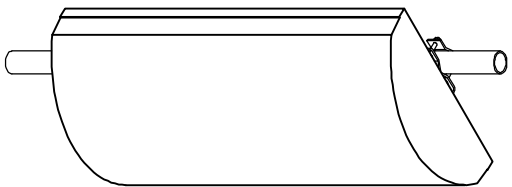
RF DETAILS

SHEET NUMBER

Z-13

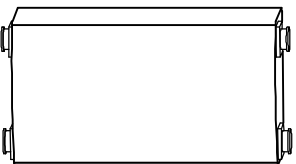


LENGTH: 51"
 WIDTH: 12"
 DEPTH: 6"
 WEIGHT: 41 lbs.



LENGTH: 52"
 WIDTH: 25"
 DEPTH: 12"
 WEIGHT: T.B.D.

1 ANTENNA SPECIFICATION



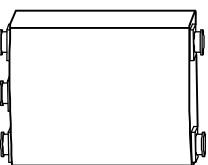
LENGTH: 11.0"
 WIDTH: 6.1"
 DEPTH: 5.1"
 WEIGHT: 15.4 lbs

3 DOUBLE TMA SPECIFICATIONS



LENGTH: 23.62"
 WIDTH: 15.04"
 DEPTH: 11.50"
 WEIGHT: 63.93 lbs

2 RRU1 SPECIFICATIONS



LENGTH: 11.6"
 WIDTH: 5.9"
 DEPTH: 2.0"
 WEIGHT: 7.0 lbs

4 AMS TMA SPECIFICATIONS

11-0004 G

I. Scale of Locale – Contextual Photographs

See attached photographs identifying the heights of buildings within 100 feet of proposed site including subject property.



View of subject building



Looking east along College Avenue

11.0664 G



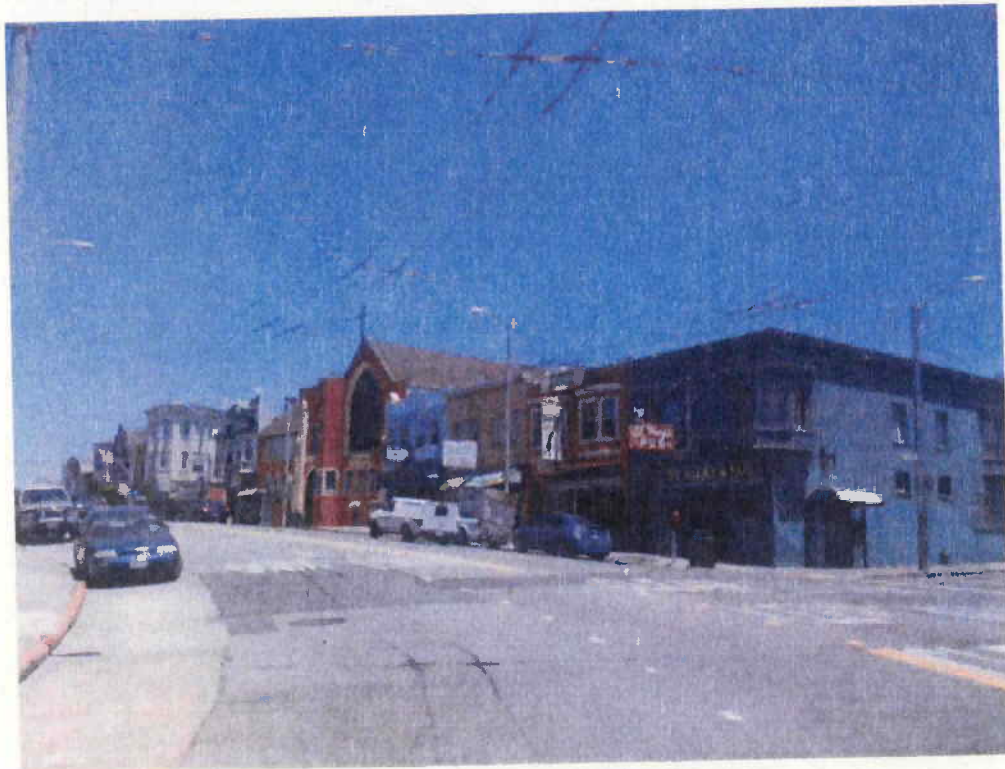
South side of College Avenue



Opposite Corner: Southwest corner of Mission Street and College Avenue



Opposite Corner: Northeast corner of Mission Street and College Avenue



Looking north along Mission Street

