



# SAN FRANCISCO PLANNING DEPARTMENT

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## Executive Summary Conditional Use Authorization

HEARING DATE: APRIL 19, 2012

*Date:* April 12, 2012  
*Case No.:* **2011.1084C**  
*Project Address:* **800 Powell Street**  
*Current Zoning:* RM-4 (Residential Mixed, High Density) District  
65-A Height and Bulk District  
*Block/Lot:* 0243/017  
*Project Sponsor:* Eric Lentz for  
AT&T Mobility  
430 Bush Street, 5<sup>th</sup> Floor  
San Francisco, CA 94108  
*Staff Contact:* Rick Crawford – (415) 588-6358  
rick.crawford@sfgov.org  
*Recommendation:* **Approval with Conditions**

1650 Mission St.  
Suite 400  
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CA 94103-2479

Reception:  
**415.558.6378**

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### PROJECT DESCRIPTION

The proposal is to install up to six roof-mounted panel antennas on the roof and associated equipment cabinets in the basement of the building as part of a wireless transmission network operated by AT&T-Mobility. The site is a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines. Each antenna measures 4'-3" high by 1' wide by 6" thick. The antennas would be mounted on the existing roof approximately 60 feet above grade. The proposed antennas would be placed within new radio frequency transparent shrouds designed to resemble the vent pipes. The top of the antennas would be approximately 64 feet above grade.

### SITE DESCRIPTION AND PRESENT USE

The project is located on the northeast corner of Powell and California Streets; Lot 017, Assessor's Block 0243, and within the RM-4 (Residential Mixed, High Density) Zoning District and 65-A Height and Bulk District. The site is occupied by a four-story building occupied by the University Club.

### SURROUNDING PROPERTIES AND NEIGHBORHOOD

The project site is located in an area of high-density residential uses with a scattering of smaller, lower density buildings around the area. The Fairmont Hotel is located across California Street from the project site.

## ENVIRONMENTAL REVIEW

The project is exempt from the California Environmental Quality Act (“CEQA”) as a Class 3 categorical exemption. Additionally this project was determined to have no adverse effect on historic properties. 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	March 30, 2012	March 28, 2012	22 days
Posted Notice	20 days	March 30, 2012	March 28, 2012	22 days
Mailed Notice	20 days	March 30, 2012	March 30, 2012	20 days

## PUBLIC COMMENT

As of April 12, 2012, the Department has received one call from a member of the public objecting to the project and one call in support.

## ISSUES AND OTHER CONSIDERATIONS

- The subject building is a known historic resource. The proposed project has been reviewed by a Preservation Technical Specialist and found to be categorically exempt from further environmental review. The proposed changes to the subject building do not result in a significant effect on the resource.
- The project site is a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines. The sponsor has investigated sixteen alternate sites in the vicinity and none of those sites met the sponsor’s network objectives. There were five preference 1 sites investigated but none of those sites were considered suitable for the project location. There were no other sites higher than a Preference 6 to evaluate within the search area.
- A Five Year Plan with approximate longitudinal and latitudinal coordinates of proposed locations, including the subject site, was submitted.
- The Project will provide wireless coverage to an area that previously received poor coverage due to increased demand for mobile data service.
- The proposal is subject to the review of coverage data by a third party, independent evaluator.

## REQUIRED COMMISSION ACTION

In order for the project to proceed, the Commission may grant the Conditional Use authorization pursuant to Planning Code Sections 209.6(b) 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 will improve coverage for an area where there is currently poor cell phone and mobile data coverage.

<b>RECOMMENDATION:</b> <b>Approval with Conditions</b>
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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 checked="" 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 \_\_\_\_\_RC\_\_\_\_\_ Planner's Initials



# 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: APRIL 19, 2012

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 430 Bush Street, 5<sup>th</sup> Floor  
 San Francisco, CA 94108  
*Staff Contact:* Rick Crawford – (415) 588-6358  
 rick.crawford@sfgov.org

**ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTIONS 209.6(b) AND 303 TO INSTALL A WIRELESS TELECOMMUNICATIONS FACILITY CONSISTING OF SIX ROOF-MOUNTED PANEL ANTENNAS AND RELATED EQUIPMENT IN THE BASEMENT OF AN EXISTING FOUR-STORY BUILDING AS PART OF AT&T MOBILITY’S WIRELESS TELECOMMUNICATIONS NETWORK WITHIN THE RM-4 (RESIDENTIAL MIXED, HIGH DENSITY) ZONING DISTRICT AND A 65-A HEIGHT AND BULK DISTRICT.**

### PREAMBLE

On September 21, 2011, AT&T Mobility (hereinafter "Project Sponsor"), made an application (hereinafter "application"), for Conditional Use Authorization on the property at 800 Powell Street, Lot 017 in Assessor's Block 0243, (hereinafter "project site") to install a wireless telecommunications facility consisting of six roof-mounted panel antennas and related equipment in the basement of an existing four-story building as part of AT&T Mobility’s wireless telecommunications network within the RM-4 (Residential Mixed, High Density) Zoning District and a 65-A Height and Bulk District.

The project is exempt from the California Environmental Quality Act (“CEQA”) as a Class 3 categorical exemption. Additionally this project was determined to have no adverse effect on historic properties. 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 April 19, 2012, 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. 2011.1084C, 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 is located on the northeast corner of Powell and California Streets; Lot 017, Assessor's Block 0243, and within the RM-4 (Residential Mixed, High Density) Zoning District and 65-A Height and Bulk District. The site is occupied by a four-story building occupied by the University Club.
3. **Surrounding Properties and Neighborhood.** The project site is located in an area of high-density residential uses with a scattering of smaller, lower density buildings around the area. The Fairmont Hotel is located across California Street from the project site.
4. **Project Description.** The proposal is to install up to six roof-mounted panel antennas on the roof and associated equipment cabinets in the basement of the building as part of a wireless transmission network operated by AT&T-Mobility. The site is a Location Preference 6 (Preferred Location - Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines. Each antenna measures 4'-3" high by 1' wide by 6" thick. The antennas would be mounted on the existing roof approximately 60 feet above grade. The proposed antennas would be placed within new radio frequency transparent shrouds designed to resemble the vent pipes. The top of the antennas would be approximately 64 feet above grade.
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.<sup>1</sup>

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 April 19, 2012, 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 209.6(b) and 303 to install a wireless telecommunications facility consisting of six roof-mounted panel antennas and related equipment in the basement of an existing four-story mixed use building as part of AT&T-Mobility's 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 6, as it is a Preferred Location – Limited Preference Site.
7. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network would transmit calls by radio waves operating in the 1710 - 2170 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.

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<sup>1</sup> 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 around 1% of the FCC public exposure limit. There were observed no other antennas within 100 feet of this site. AT&T-Mobility proposes to install six new antennas. The antennas would be mounted at a height of 60 feet above the ground. The estimated ambient RF field from the proposed AT&T-Mobility transmitters at ground level is calculated to be 0.015mW/sq. cm., which is 2.1% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 54 feet which includes areas of the roof but does not reach any publically 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 in operation. Barricades should be installed to prevent access to the area between the antennas and the roof parapet.
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 8:15 P.M. on Thursday, November 10, 2011 at Grace Cathedral, Chapter Room, located at 1100 California Street. Three 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 April 12, 2012, the Department has received one call from a member of the public objecting to the project and one call in support.
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 303 and 209.6(b), 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 800 Powell Street would be generally desirable and compatible with the surrounding neighborhood because the project would not conflict with the existing uses of the property and would 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 insure public safety, and insure 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. The project has been reviewed and determined to not cause the removal or alteration of any significant architectural features on the subject known historic resource.*

*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 800 Powell Street is necessary in order to achieve sufficient street and in-building mobile phone coverage. Computer modeling conducted by the AT&T Mobility Radio Frequency Engineering Team provides 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 would serve the vicinity bounded by Sacramento Street, Pine Street, Joice Street, and Mason Street, as indicated in the coverage maps. This facility would close the existing service gap for all types of service within the area due to an 8,000% increase in mobile data demand.*

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 would 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 would 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 would be installed on the existing roof and screened within radio frequency transparent shrouds designed to resemble vent pipes. The proposal, located over 60 feet above grade, is small in size, and is minimally visible at the pedestrian level. The project would not affect the existing landscaping.*

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

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

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

*The proposed project is consistent with the stated purpose of the RM-4 (Residential Mixed, High Density) District in that the intended use is located in an existing building approximately 60 feet tall and set back from the street frontage.*

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

## 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, childcare, and neighborhood services, when developing new housing units.

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

*The project would improve AT&T Mobility’s coverage in residential and commercial 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.

*The Project adequately “stealths” the proposed antennas and related equipment by locating the antennas within new radio frequency transparent shrouds designed to resemble vent pipes. Equipment cabinets would be located in the basement of the building. The antennas are 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 would 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 would ensure that residents and visitors have adequate public service in the form of AT&T-Mobility 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 would 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.

*The existing building, the University Club, was constructed circa 1909 and is a historic resource. The project would not alter the façade of the building and has been determined to be categorically exempt as class 3.*

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

*The Project would 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 731.83 and 303 to install up to nine roof-mounted panel antennas and associated equipment cabinets the roof on the building at 800 Powell Street as part of a wireless transmission network operated by AT&T-Mobility on a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within RM-4 (Residential Mixed, High Density) Zoning District and a 65-A 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 **April 19, 2012**.

---

Linda Avery  
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: April 19, 2012



## **EXHIBIT A**

### **AUTHORIZATION**

This authorization is for a Conditional Use Authorization under Planning Code Sections 731.83 and 303 to install a wireless telecommunications facility consisting of six roof-mounted panel antennas with related equipment located in the basement, a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, as part of AT&T-Mobility's wireless telecommunications network within the RM-4 (Residential Mixed, High Density) Zoning District and a 65-A 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 April 19, 2012 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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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.

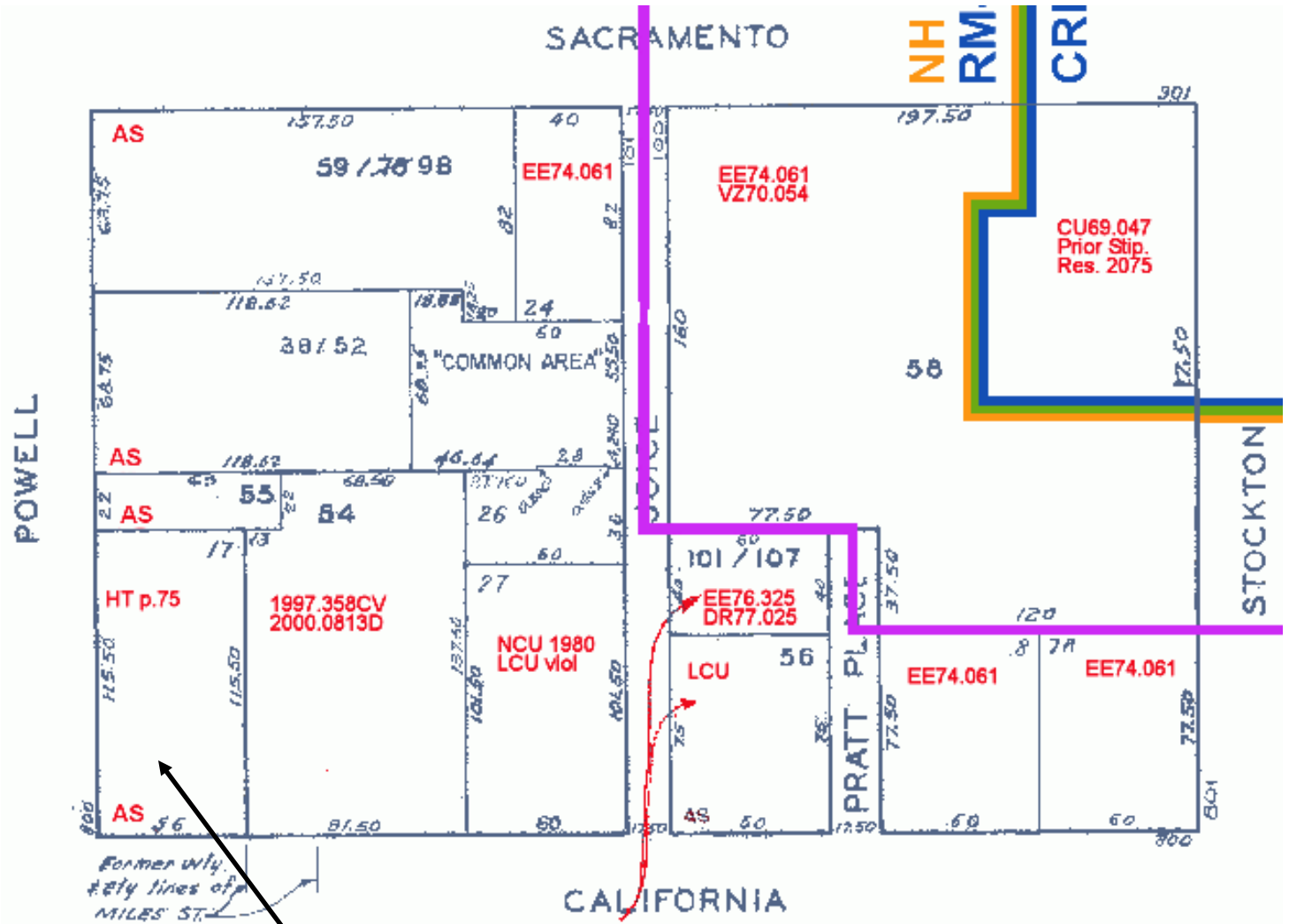
*For information about compliance, contact the Department of Technology, 415-581-4000, <http://sfgov3.org/index.aspx?page=1421>*

20. **Coverage and Capacity Verification.** Use is authorized as long as an independent evaluator, selected by the Planning Department, determines that the information and conclusions submitted by the wireless service provider in support of its request for conditional use are accurate. The wireless service provider shall fully cooperate with the evaluator and shall provide any and all data requested

by the evaluator to allow the evaluator to verify that the maps, data, and conclusions about service coverage and capacity submitted are accurate. The wireless service provider shall bear all costs of said evaluation. The independent evaluator, upon request by the wireless service provider shall keep the submitted data confidential and shall sign a confidentiality agreement acceptable to the wireless service provider. The independent evaluator shall be a professional engineer licensed by the State of California.”

*For information about compliance, contact the Case Planner, Planning Department at 415-575-9078, [www.sf-planning.org](http://www.sf-planning.org).*

# Parcel Map



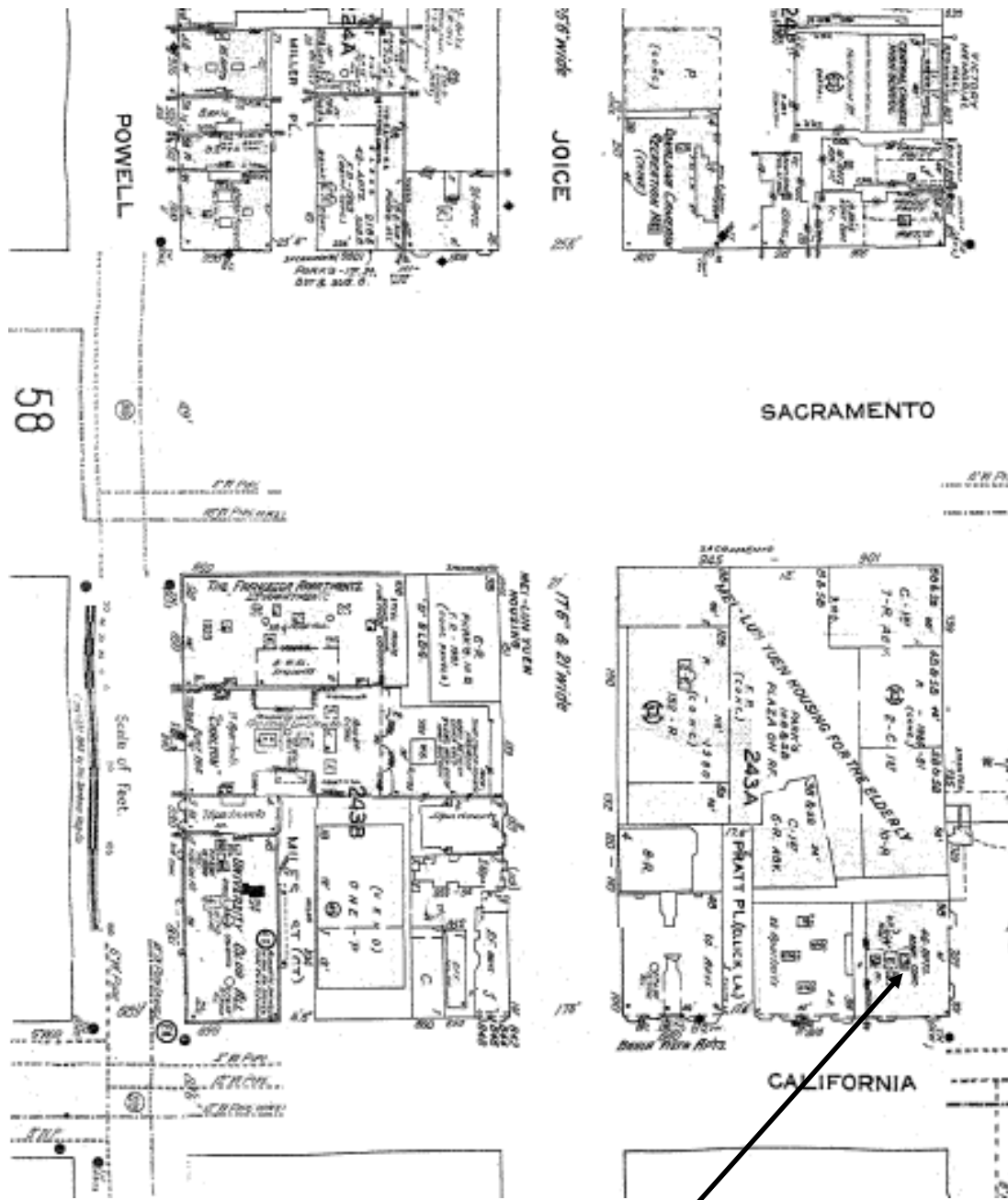
**SUBJECT PROPERTY**



Conditional Use Authorization  
 Case Number 2011.1084C  
 AT&T Mobility WTS  
 800 Powell Street



# Sanborn Map\*



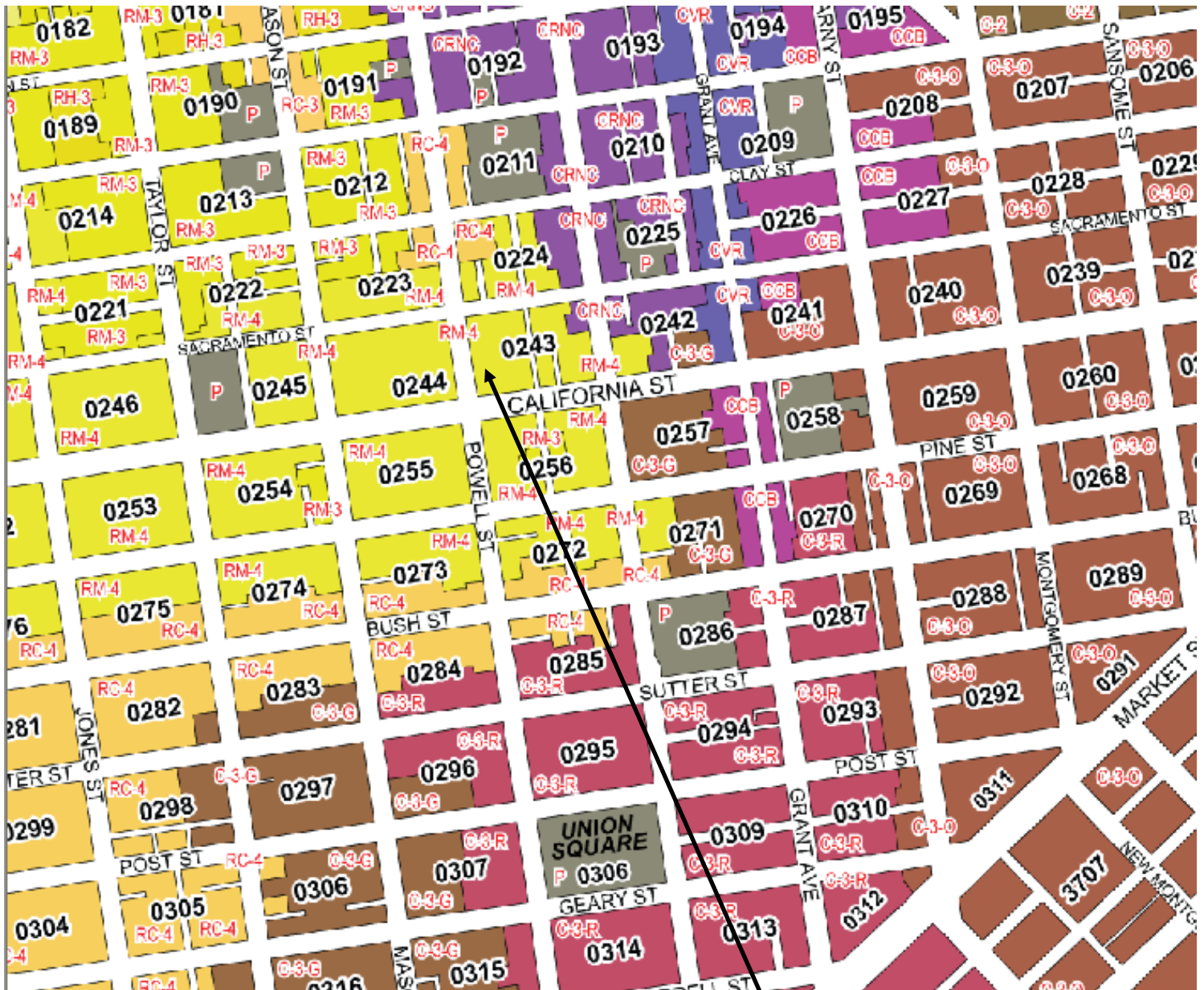
\*The Sanborn Maps in San Francisco have not been updated since 1998, and this map may not accurately reflect existing conditions.

**SUBJECT PROPERTY**



Conditional Use Authorization  
 Case Number 2011.1084C  
 AT&T Mobility WTS  
 800 Powell Street

# Zoning Map



**SUBJECT PROPERTY**



Conditional Use Authorization  
Case Number 2011.1084C  
AT&T Mobility WTS  
800 Powell Street

# Aerial Photo



**SUBJECT PROPERTY**



Conditional Use Authorization  
Case Number 2011.1084C  
AT&T Mobility WTS  
800 Powell Street

# Context Photos

Facing North on Powell Street



Facing South on Powell Street



Conditional Use Authorization  
Case Number 2011.0410C  
AT&T Mobility WTS  
2242 Polk Street

# Context Photos

Facing East on California Street



Facing West on California Street



Conditional Use Authorization  
Case Number 2011.1084C  
AT&T Mobility WTS  
800 Powell Street

# Site Photo



Conditional Use Authorization  
Case Number 2011.1084C  
AT&T Mobility WTS  
800 Powell Street

Existing



Photosimulation of the proposed telecommunication facility as seen looking northwest from California Street



at&t

CC1255

University Club

800 Powell Street  
San Francisco, CA 94108

Proposed



proposed AT&T  
installation not visible  
beyond roof line

Existing



at&t

CC1255

University Club

800 Powell Street  
San Francisco, CA 94108

Proposed



proposed AT&T  
installation not visible  
beyond roof line



Photosimulation of the proposed telecommunication facility as seen looking northeast from Powell St. & California St.

Existing



at&t

CC1255

University Club

800 Powell Street  
San Francisco, CA 94108

Proposed

proposed AT&T antennas inside new faux chimneys  
not visible beyond roof line



Prepared by: **WW** 11.18.2011  
WW Design & Consulting, Inc.  
1654 Candelero Court  
Walnut Creek, CA 94598  
info@photosims.com

# Service Improvement Objective (CC1255)

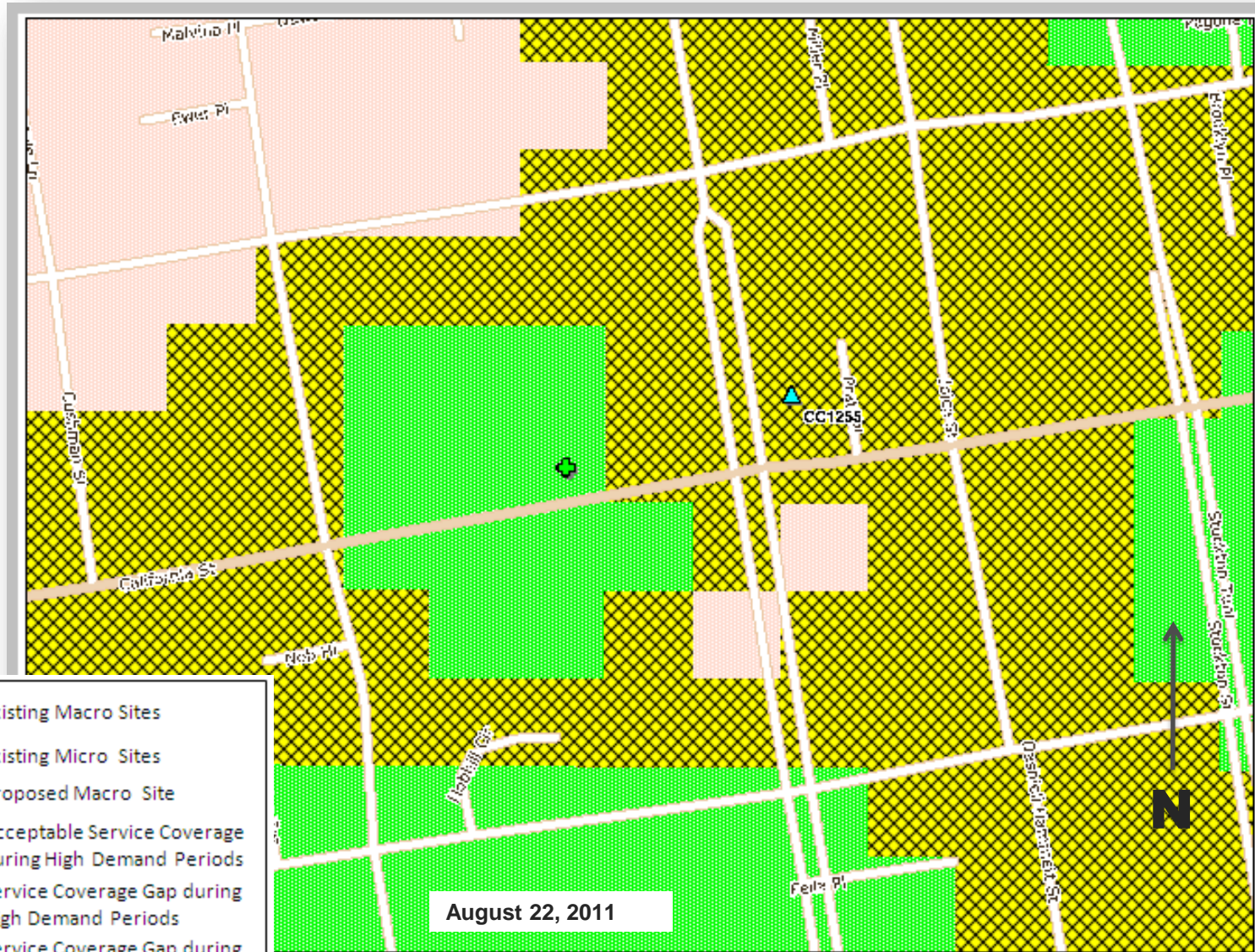
800 Powell St



- ▲ Existing Macro Sites
- ✚ Existing Micro Sites
- ▲ Proposed Macro Site
- Improved Service Area
- Site Search Area

# Proposed Site at 800 Powell St (CC1255)

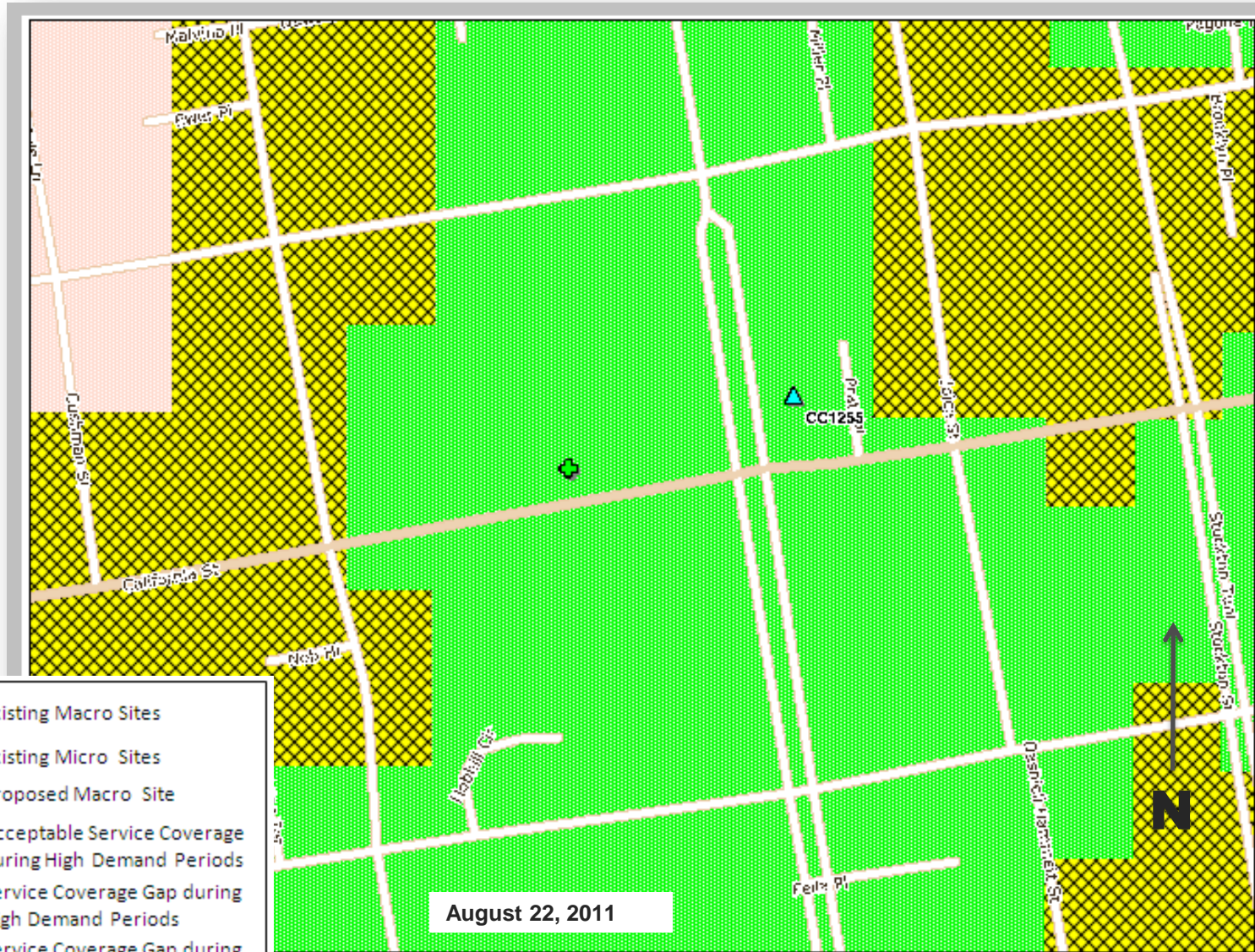
Service Area BEFORE site is constructed



- ▲ Existing Macro Sites
- ⊕ Existing Micro Sites
- ▲ Proposed Macro Site
- Acceptable Service Coverage during High Demand Periods
- ▨ Service Coverage Gap during High Demand Periods
- Service Coverage Gap during All Demand Periods

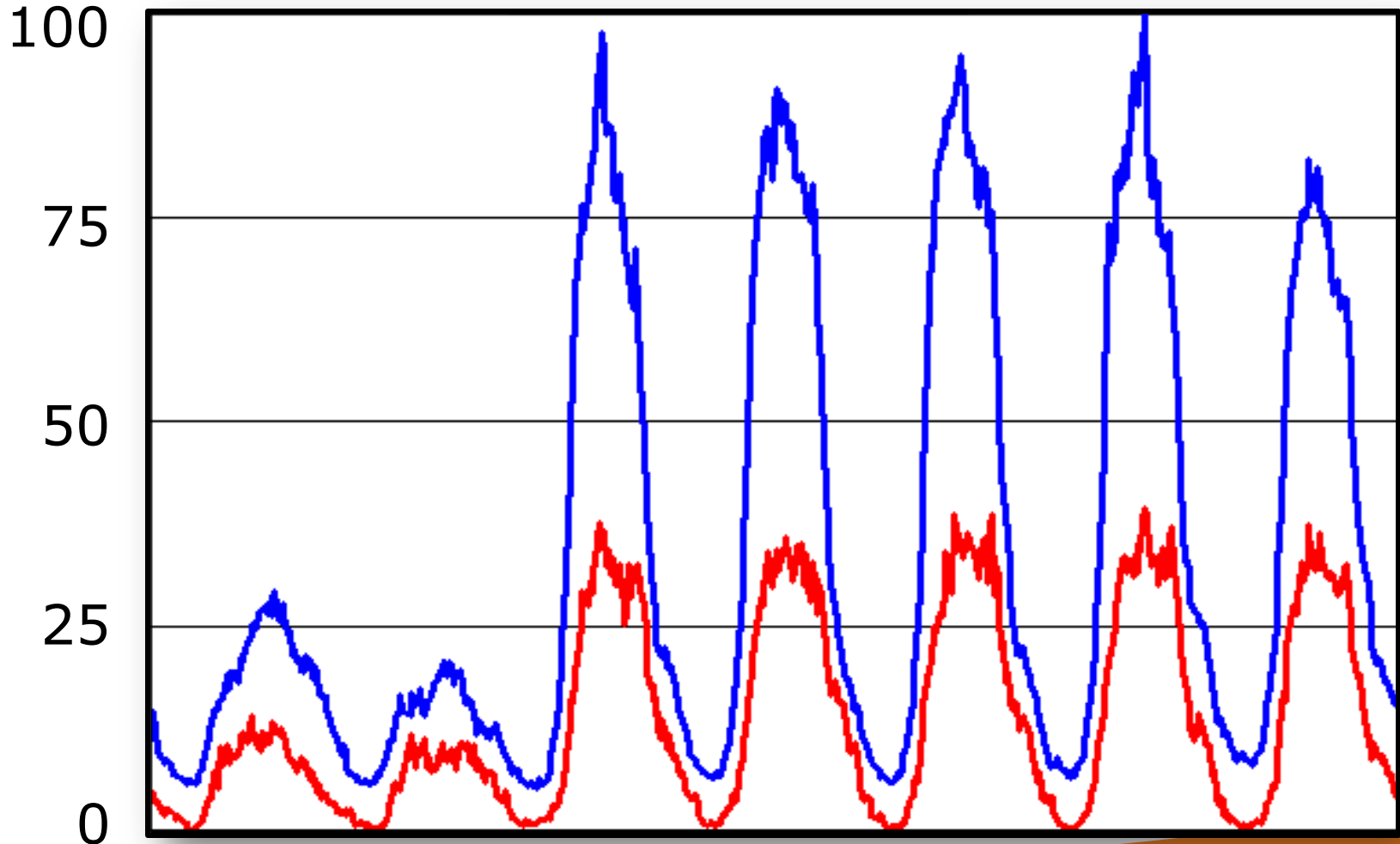
# Proposed Site at 800 Powell St (CC1255)

Service Area AFTER site is constructed



# Current 7-Day Traffic Profile for the Location of CC1255

— Data Traffic  
— Voice Traffic

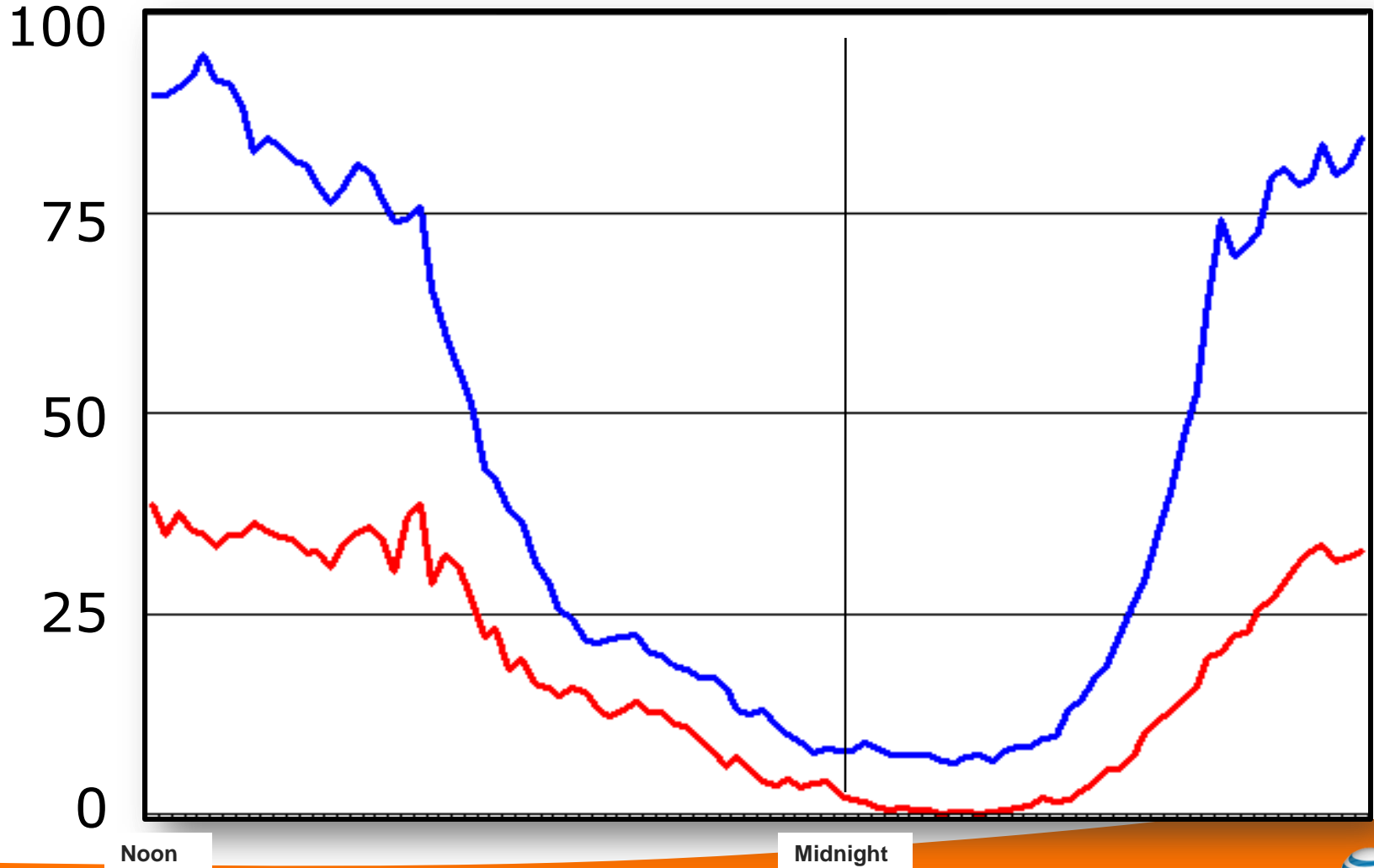


July 29, 2011



# Current 24-Hour Traffic Profile for the Location of CC1255

— Data Traffic  
— Voice Traffic



# Existing Surrounding Sites at 800 Powell St

CC1255



## **Alternative Sites Analysis**

### **Locating a site and evaluation of alternative sites**

AT&T real estate and construction experts work through Section 8.1 of the WTS Facilities Siting Guidelines, which state the “Preferred Locations Within A Particular Service Area.” The team examines preferred locations (most desirable to least desirable under Section 8.1) until a location is found to close the significant service coverage gap.

Once a location is identified, the team confirms that the site is (1) serviceable (it has sufficient electrical power and telephone service as well as adequate space for equipment cabinets, antennas, construction, and maintenance) and (2) meets necessary structural and architectural requirements (the existing structure is not only sturdy enough to handle the equipment without excessive modification but also that the antennas may be mounted in such a way that they can meet the dual objective of not being obstructed while also being visually obscured or aesthetically unobtrusive).

The following represents the results of this investigation, and the team’s analysis of each alternative location:

### **Location Preference**

Pursuant to the WTS guidelines, the proposed installation located at 800 Powell Street (the Subject Location) is a Preference 6 Preferred Site – Limited Preference, in that the building is located in the RM-4 zoning district. The building is occupied by the University Club of San Francisco, a wholly commercial building (club, fraternal organization). The surrounding buildings are occupied primarily by hotels or wholly residential buildings.

Preference 6 locations are defined as follows: *Limited Preference Sites: Buildings located in the RM-4 zoning districts are Limited Preference Sites. The Planning Commission will not approve applications for such sites unless the application describes: (a) what publicly-used building, co-location site or other Preferred Location Sites are located within the geographic service area; (b) what good faith efforts and measures were taken to secure these more preferred location; (c) why such efforts were unsuccessful; and (d) how and why the proposed site is essential to meet service demands for the geographic service area and the Applicant's citywide network.*

### **Site Justification**

The Subject Location is a wholly commercial building (club, fraternal organization) in the RM-4 zoning district, and therefore a Preference 6 Location under the WTS Guidelines. The surrounding neighborhood is zoned primarily RM-4 and RM-3 with the nearest commercial zoning over a block away, outside of the proposed service area. The proposed installation consists of installing six (6) panel antennas mounted within faux vent pipes, entirely screened from public view. The associated equipment cabinets will be located in the basement, not visible from public rights-of-way. As the a Preference 6 Preferred Location within the defined search area, and where the proposed facility is entirely screened from view, the Subject Location is the



least intrusive means by which AT&T Mobility can close the existing significant service coverage gap.

The area within the search ring is within the RM-4 zoning district, an area primarily characterized by wholly residential, publicly-used buildings and wholly commercial buildings. Typically buildings within the RM-4 zoning district are considered Preference 6 Limited Preference Sites; therefore the search area provided little opportunity for the construction of a WTS facility. The below list of alternative site locations evaluated by AT&T demonstrates that there is no less intrusive site than the Proposed Location to fill the significant service coverage gap.

## Alternatives Sites Location

In order to achieve the service goals as previously defined, AT&T Mobility network engineers considered site locations in the area defined by the search ring in the previously attached “Service Improvement Objective” map. The area roughly bounded by Pine, Mason, Joice and Sacramento Streets.

The area within the search ring is primarily comprised of residential, wholly commercial and a publically used building within the California Street and Powell Street intersection within the RM-4 zoning district. The “Service Objective” map expands the search ring to cover additional residential and public uses along California Street and Powell Street where uses are also primarily in the RM-4 zoning district. The corner of California and Powell Streets is the optimal location given the building height and clear visibility of California and Powell Streets. Below is a list of the alternative site locations evaluated by the AT&T network engineers and site acquisition team.

### 1. Publically Used Structures:



Alternative A – 875 California St.

The building located at 875 California Street is a public parking garage (Stanford Court) located within the RM-4 zoning district, a Preference 1 Location under the WTS Guidelines. This 2-story structure is too short to provide the required signal propagation for a rooftop WTS facility required to fill the service coverage gap as defined. This building is blocked to the east by the adjacent 4-story building. The adjacent vacant lot to the west has been approved for the construction of a 9-unit residential building, above a height of 40-feet or more, therefore a rooftop facility would be blocked to the east and west at this location. In addition, the land lord for this building was not interested in a roof top lease with AT&T for a WTS site. As a result, it was determined that this was not a suitable candidate.





Alternative B – 1000 Mason St.

The building located at 1000 Mason Street is a parking garage (Brocklebank Garage) located within the RM-4 zoning district, a Preference 1 Location under the WTS Guidelines. This building is located well outside of the defined search area, therefore a WTS facility at this location would be unable to fill the significant service coverage gap as defined. As a result, it was determined that this was not a suitable candidate.



Alternative C – 920 Sacramento

The building located at 920 Sacramento Street is a religious institution (Donaldina Cameron House) located within the RM-4 zoning district, a Preference 1 Location under the WTS Guidelines. This building is located well outside of the defined search area, therefore a WTS facility at this location would be unable to fill the significant service coverage gap as defined. As a result, it was determined that this was not a suitable candidate.

2. Co-Location Site: There were no Preference 2 Co-Location Sites identified, therefore none were evaluated.
3. Industrial or Commercial Structures: There were no Preference 3 Locations (wholly industrial or commercial structures) where existing visual obstructions/clutter on the roof or along the roofline would, in a commercially practicable manner, be removed as part of the installation. Wholly industrial or commercial structures are classified at Preference 6 Locations in the RM-4 zoning district. Therefore no Preference 3 Locations were evaluated.
4. Industrial or Commercial Structures: There were no Preference 4 Locations (wholly industrial or commercial structures) identified. Wholly industrial or commercial structures are classified as Preference 6 Locations in the RM-4 zoning district. Therefore no Preference 4 Locations were evaluated.
5. Mixed Use Buildings in High Density Districts: There were no Preference 5 Locations identified, therefore none were evaluated.

6. Limited Preference Sites:



Alternative D – 105 Miles St.

The building located at 105 Miles Street is located directly next to the Proposed Location, and is also a University Club building located within the RM-4 zoning district, a Preference 6 Location under the WTS Guidelines. As a 2-story structure located downslope of the Subject Location, a rooftop WTS facility at this location would lead to an overall height loss of approximately 40-feet. The Subject Location is a 4-story structure located at the corner of California and Powell Streets, and provides the optimum height and location required to fill the significant service coverage gap, while entirely screening the WTS facility from public view. As a 2-story structure located on the edge of the search area, it was determined that this was not the most suitable candidate.



Alternative E – 1000 California St

The building located at 1000 California Street is a wholly commercial building (the Pacific Union Club) located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. This building is located well outside of the defined search area, therefore a WTS facility at this location would be unable to fill the significant service coverage gap as defined. Additionally, a WTS facility at this location would interfere with another AT&T WTS facility proposed at 1111 California Street. As a result, it was determined that this was not a suitable candidate.





Alternative F – 950 Mason St.

The building located at 950 Mason Street is the Fairmount Hotel located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. This building is also the location of an existing AT&T microcell facility (SF2368). While it is the objective to AT&T to upgrade the microcell facilities in-place where possible, due to a proposed condo-conversion project, the Fairmount Hotel is not interested in negotiating a lease for a macro WTS facility at this time. Upon construction of the proposed macro facility at 800 Powell Street, and final integration within the existing and planned network, AT&T Mobility intends to decommission and remove this existing micro facility.

The Subject Location is a Preference 6 Preferred Location where the antennas are entirely screened from view, and therefore less intrusive as defined under the WTS Guidelines. As a Preference 6 Limited Preference Site with an unwilling landlord, it was determined this was not a suitable candidate.



**Alternative G – 901 California St.**

The building located at 901 California Street is a commercial hotel (the Stanford Court) located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.



Alternative H – 1 Nob Hill Cr.

The building located at 1 Nob Hill Circle is a commercial hotel (Top of the Mark) located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. This building is approximately 190 feet in height (approximately 130 feet taller than the Subject Location), is much taller than the necessary height for a WTS facility. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.



**Alternative I – 901 Powell St.**

The building located at 901 Powell Street is a wholly residential building located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.



**Alternative J – 900 Powell St.**

The building located at 900 Powell Street is a wholly residential building located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.



**Alternative K – 850 Powell St.**

The building located at 850 Powell Street is a wholly residential building located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.



**Alternative L – 840 Powell St.**

The building located at 840 Powell Street is a wholly residential building located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.



**Alternative M – 830 Powell St.**

The building located at 830 Powell Street is a wholly residential building located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.





**Alternative N – 750 Powell St.**

The building located at 750 Powell Street is a wholly residential building located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.



**Alternative O – 730 Powell St.**

The building located at 730 Powell Street is a wholly residential building located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.



**Alternative P – 710 Powell St.**

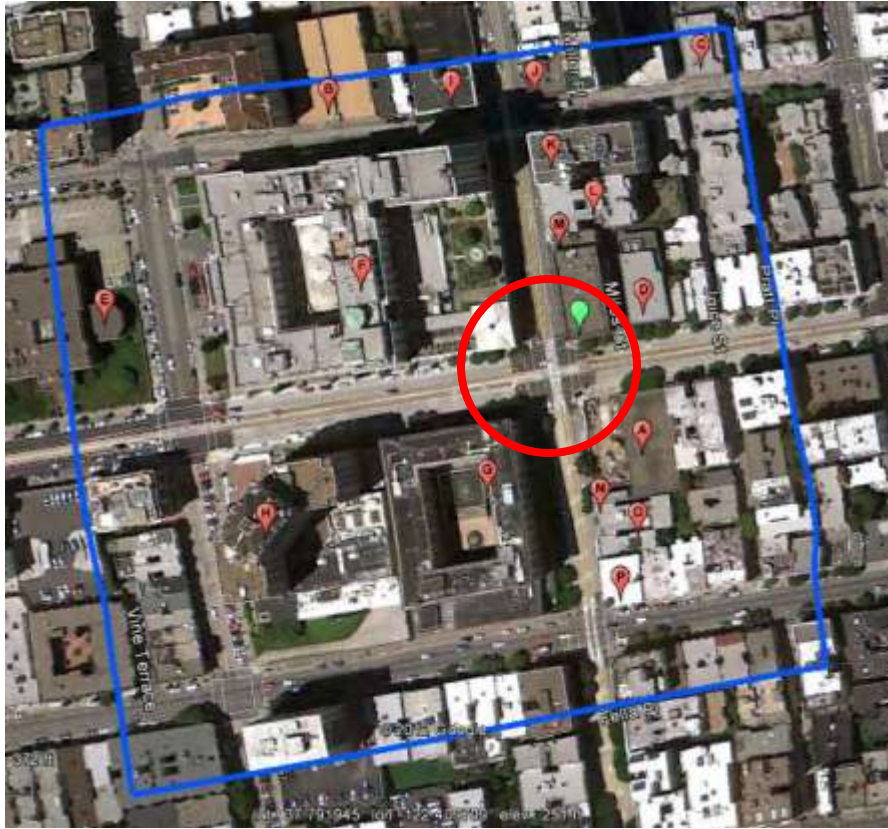
The building located at 710 Powell Street is a wholly residential building located within the RM-4 zoning district, a Preference 6 Limited Preference Site under the WTS Guidelines. The Subject Location, where the antennas are entirely screened from view, is the least intrusive means by which AT&T can close the significant service coverage gap. As a result, it was determined that this Preference 6 Limited Preference Site was not the most suitable alternative.

## Alternative Site Locations Summary

	Location	Block/Lot	Zoning District	Building Type	WTS Pref.
A	875 California	0256/017	RM-4	Parking Garage	1
B	1000 Mason	0223/008	RM-4	Parking Garage	1
C	920 Sacramento	0224/008	RM-4	Religious Facility	1
D	105 Miles	0243/054	RM-4	Club	6
E	1000 California	0245/001	RM-4	Club	6
F	950 Mason	0244/001	RM-4	Hotel	6
G	901 California	0255/001	RM-4	Hotel	6
H	1 Nob Hill	0255/002	RM-4	Hotel	6
I	901 Powell	0223/033	RM-4	Wholly Residential	6
J	900 Powell	0224/013	RM-4	Wholly Residential	6
K	850 Powell	0243/059	RM-4	Wholly Residential	6
L	840 Powell	0243/038	RM-4	Wholly Residential	6
M	830 Powell	0243/055	RM-4	Wholly Residential	6
N	750 Powell	0256/017A	RM-4	Wholly Residential	6
O	730 Powell	0256/065	RM-4	Wholly Residential	6
P	710 Powell	0256T/001M	RM-4	Wholly Residential	6

The attached map identifies the location and applicable zoning use district for each alternative location evaluated.

## Map of Alternate Sites Evaluated



 Service Objective Area

 Site Search Area

Alternative Sites Land Use Map



 Service Objective Area

 Site Search Area

**AT&T Mobility • Proposed Base Station (Site No. CC1255)  
800 Powell 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. CC1255) proposed to be located at 800 Powell 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:

<u>Wireless Service</u>	<u>Frequency Band</u>	<u>Occupational Limit</u>	<u>Public Limit</u>
Microwave (Point-to-Point)	5,000–80,000 MHz	5.00 mW/cm <sup>2</sup>	1.00 mW/cm <sup>2</sup>
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 Mr. David Kelly, a qualified field technician contracted by Hammett & Edison, Inc., during normal business hours on August 17, 2011, a non-holiday weekday, and reference has been made to information provided by AT&T, including zoning drawings by Michael Wilk Architecture, dated August 11, 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. CC1255)**  
**800 Powell 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 six directional panel antennas – four Powerwave Model P65-15-XLH-RR and two Andrew Model TBXLHB-6565A-R2M – within individual view screen enclosures, configured to resemble chimneys, above the west and south ends of the roof of the four-story commercial building located at 800 Powell Street. The antennas would be mounted with up to 6° downtilt at an effective height of about 60 feet above ground, 6 feet above the roof, and would be oriented in identical groups of three toward 200°T and 290°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 6,650 watts, representing simultaneous operation at 1,780 watts for AWS, 2,630 watts for PCS, 1,350 watts for cellular, and 890 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 taller buildings located at least 70 feet from the antennas.

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 0.012 mW/cm<sup>2</sup>, which is 1.8% of the applicable public exposure limit. Ambient RF levels at the site are therefore estimated to be below 3% of the limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 54 feet out from the antenna faces and to much lesser distances above, below, and to the sides; this includes areas of the roof of the building but does not reach any publicly accessible areas.

9. Describe proposed signage at site.

Due to their mounting location, 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 prevent occupational exposures in excess of the FCC guidelines, no access within 23 feet directly in front of the antennas themselves, such as might occur during maintenance work on the roof, should be allowed while the base station is in operation, unless other measures can be demonstrated to ensure





**AT&T Mobility • Proposed Base Station (Site No. CC1255)  
800 Powell Street • San Francisco, California**

that occupational protection requirements are met. It is recommended that barricades be erected between the chimney enclosures and the raised roof parapet, as shown in Figure 1, and that explanatory warning signs\* be posted at the roof access hatch, on the barricades, and on the enclosures in front of 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 base station proposed by AT&T Mobility at 800 Powell Street in San Francisco, California, will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, need not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Erecting barricades and posting explanatory signs is recommended to establish compliance with occupational exposure limitations.

September 15, 2011



*William F. Hammett*

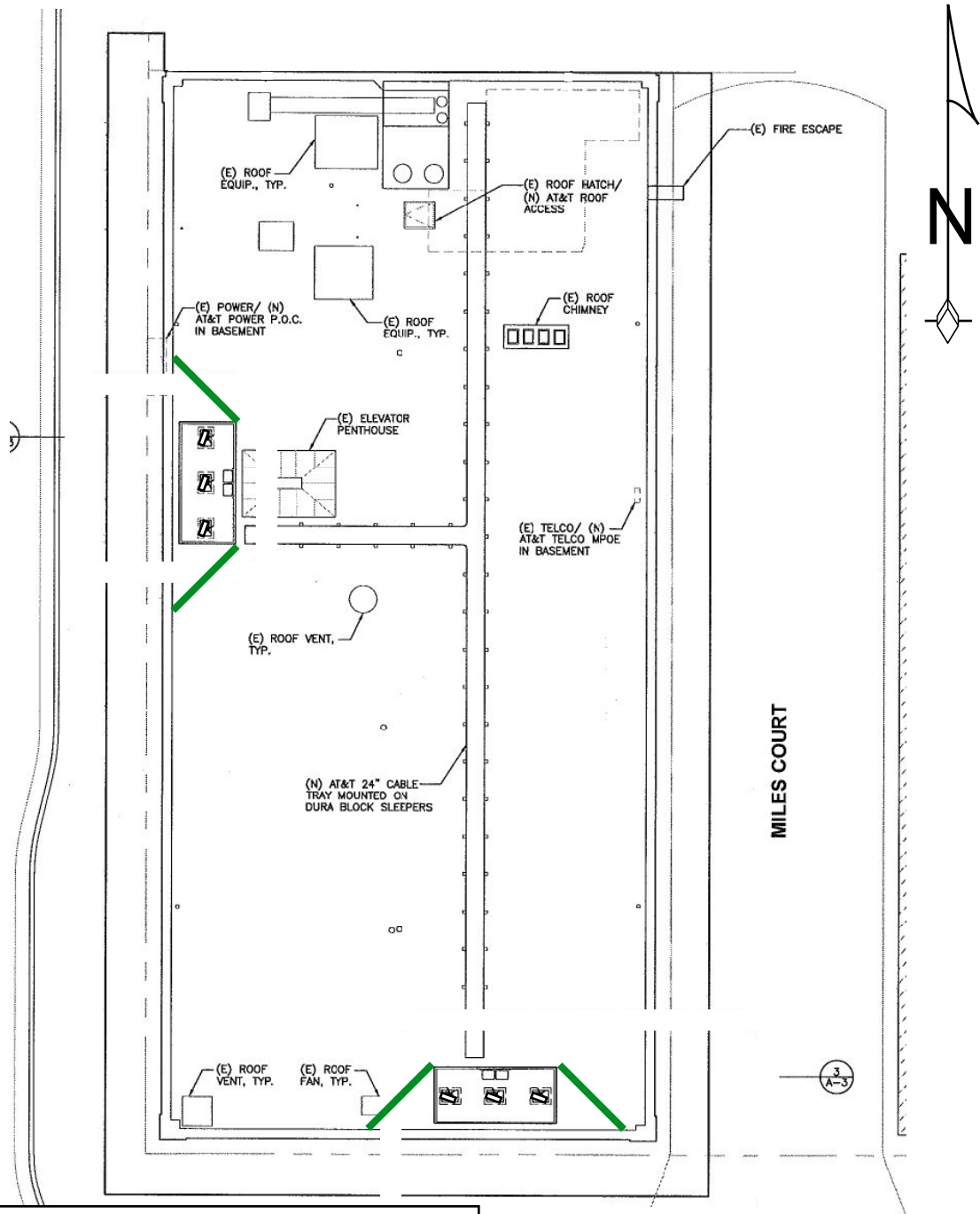
William F. Hammett, P.E.  
707/996-5200

\* 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. CC1255)  
800 Powell Street • San Francisco, California

Suggested Locations for Barricades (green)



Notes:  
Base drawing from Michael Wilk Architecture, dated August 11, 2011.  
Barricades should be erected as shown to preclude access to areas in front of the antennas.  
Explanatory warning signs should be posted at the barricades, 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:** Michelle Stahlhut  
**RF Engineer Consultant:** Hammett and Edison **Phone Number:** (707) 996-5200  
**Project Address/Location:** 800 Powell St  
**Site ID:** 1453 **SiteNo.:** CC1255

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: 5690 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: 5690 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 10.4.1d)
- 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  $\mu\text{w}/\text{cm}^2$ )  
 Maximum RF Exposure: 0.015  $\text{mW}/\text{cm}^2$     Maximum RF Exposure Percent: 2.1
- 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.
 

<input checked="" type="checkbox"/> Public_Exclusion_Area	Public Exclusion In Feet:	<u>54</u>
<input checked="" type="checkbox"/> Occupational_Exclusion_Area	Occupational Exclusion In Feet:	<u>17</u>

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 roof top of the building at 800 Powell Street. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There were observed no other antennas within 100 feet of this site. AT&T Wireless proposes to install 6 new antennas. The antennas are mounted at a height of about 60 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.015 mW/sq cm., which is 2.1 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 54 feet which includes areas of the rooftop but does not reach any publicly accessible areas. Warning signs must be posted at the antennas, barricades and roof access points in English, Spanish and Chinese. Worker should not have access to within 17 feet of the front of the antennas while they are in operation. Barricades should be installed to prevent access to the area between the antennas and the roof parapet.

       **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: 9/15/2011

Patrick Fosdahl

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



AT&T Mobility  
430 Bush St. 5<sup>th</sup> Floor  
San Francisco, CA 94108

November 11, 2011

Michelle Stahlhut, Planner  
San Francisco Department of Planning  
1650 Mission Street, Suite 400  
San Francisco, CA 94103

Re: Community Meeting for proposed AT&T Mobility facility at 800 Powell Street

Dear Michelle,

On November 10, 2011, AT&T Mobility conducted a community meeting regarding the proposed wireless facility at 800 Powell Street. The attached notification announced the community meeting was to be held at the Grace Cathedral, Chapter Room, 1100 California Street at 7 pm. Notice of the community meeting was mailed to 266 building owners, occupants, and 23 neighborhood groups within 500 feet of the proposed installation.

I conducted the meeting on behalf of AT&T Mobility as the project sponsor. Rajat Mathur of Hammett and Edison, Inc. a third party independent licensed radio frequency engineer by the State of California was there to answer any questions regarding the radio frequency report for the proposed site. Jason Chan with AT&T public affairs and Taylor Jordan with Berg Davis were also in attendance.

Three members of the community attended the meeting. One needed a Chinese interpreter, which was provided. One member of the community expressed a distrust that the FCC regulations were safe, though she believed that AT&T was truthful and in compliance with those regulations. Another member of the community, Bob Cohn, was concerned with scientific details relating to studies and EMF concerns. Both Raj and Jason promised to get him information after the meeting. Raj promised to provide links to specific studies, and Jason said that he would connect Bob with an AT&T engineer that could answer his questions about alternative antenna methods. His contact info is provided on the sign in sheet, attached.

A copy of the notice of the community meeting, affidavit and sign in sheet are attached.

Sincerely,

Eric Lentz, Land Use Consultant  
Permit Me, Inc.  
For AT&T Mobility  
Cell: 805-895-4394  
Email: [ericlentz@permitme.net](mailto:ericlentz@permitme.net)

**NOTICE OF COMMUNITY OUTREACH MEETING ON A WIRELESS COMMUNICATION FACILITY  
PROPOSED IN YOUR NEIGHBORHOOD**

**To: Neighborhood Groups and Neighbors & Owners within 500' radius of 800 Powell Street**

**Meeting Information**

Date: Thursday, November 10, 2011  
Time: 7:00 p.m.  
Where: Grace Cathedral  
Chapter Room  
1100 California Street  
San Francisco, CA

**Site Information**

Address: 800 Powell Street  
Block/Lot: 0243/017  
Zoning: RM-4

**Applicant**

AT&T Mobility

**Contact Information**

AT&T Mobility Hotline  
(415) 646-0972

AT&T Mobility is proposing a wireless communication facility at 800 Powell Street needed by AT&T Mobility as part of its San Francisco wireless network. The proposed AT&T Mobility site is an unmanned facility consisting of the installation of six (6) panel antennas. The antennas will be located on the rooftop and screened within faux chimneys. The associated equipment would be located within the basement not visible to the public. Plans and photo simulations will be available for your review at the meeting. You are invited to attend an informational community meeting located at the Grace Cathedral, Chapter Room on Thursday November 10, 2011, at 7:00 p.m. to learn more about the project.

If you have any questions regarding the proposal and are unable to attend the meeting, please contact the AT&T Mobility Hotline at (415) 646-0972 and an AT&T Mobility specialist will return your call. Please contact Michelle Stahlhut, staff planner with the City of San Francisco Planning Department at (415) 575-9116 if you have any questions regarding the planning process.

**NOTE: If you require an interpreter to be present at the meeting, please contact our office at (415) 646-0972 no later than 5:00pm on Monday, November 7, 2011 and we will make every effort to provide you with an interpreter.**

**NOTIFICACIÓN DE REUNIÓN DE ALCANCE COMUNITARIO SOBRE UNA INSTALACIÓN DE  
COMUNICACIONES INALÁMBRICAS PROPUESTA PARA SU VECINDARIO**

**Para: Grupos del vecindario, vecinos y propietarios dentro de un radio de 500' de 800 Powell Street**

**Información de la reunión**

Fecha: jueves, 10 de noviembre de 2011  
Hora: 7:00 p.m.  
Dónde: Grace Cathedral  
Chapter Room  
1100 California Street  
San Francisco, CA

**Información del lugar**

Dirección: 800 Powell Street  
Cuadra/Lote: 0243/017  
Zonificación: RM-4

**Solicitante**

AT&T Mobility

**Información de contacto**

Línea directa de AT&T Mobility  
(415) 646-0972

AT&T Mobility propone instalar una instalación de comunicaciones inalámbricas en 800 Powell Street necesaria para AT&T Mobility como parte de su red inalámbrica en San Francisco. La ubicación propuesta de AT&T Mobility es una instalación sin personal que consiste en la instalación de seis (6) antenas panel. Las antenas estarán ubicadas en el techo y tapadas con una pantalla dentro de las chimeneas falsas. El equipo asociado se ubicaría dentro del sótano y no estaría visible para el público. Habrá planos y fotos disponibles para que usted los revise en la reunión. Se lo invita a asistir a una reunión informativa de la comunidad que se realizará en Grace Cathedral, Chapter Room, el jueves 10 de noviembre de 2011 a las 7:00 p.m. para tener más información sobre el proyecto.

Si tiene preguntas relacionadas con la propuesta y no puede asistir a la reunión, por favor, llame a la Línea Directa de AT&T Mobility, (415) 646-0972, y un especialista de AT&T Mobility le devolverá el llamado. Por favor, contacte a Michelle Stahlhut, planificador del Departamento de Planificación de la Ciudad de San Francisco al (415) 575-9116 si tiene alguna pregunta relacionada con el proceso de planificación.

**NOTA: Si necesita que un intérprete esté presente en la reunión, por favor, contacte a nuestra oficina al (415) 646-0972 el lunes 7 de noviembre de 2011 antes de las 5:00 p.m., y haremos todos lo posible para proporcionarle un intérprete.**

**關於計畫在您所在街區安裝一座無線通信設施的社區資訊通報會通知**

**致：Powell 街 800 號周圍五百英尺內的居民組織、居民和業主**

**會議資訊**

日期：2011 年 11 月 10 日 (星期四)  
時間：下午 7:00  
地點：加利福尼亞州三藩市 California 街  
1100 號 Grace Cathedral 的 Chapter Room

**設施地點資訊**

地址：Powell 街 800 號  
街區 / 地段：0243/017  
分區：RM-4

**申請公司**

AT&T Mobility

**聯繫資訊**

AT&T Mobility 公司熱線電話  
(415) 646-0972

AT&T Mobility 公司計畫在 Powell 街 800 號安裝一座無線通訊設施，作為 AT&T Mobility 公司在三藩市無線網路的一部分。計畫中的 AT&T Mobility 站為無人操作設施，需要安裝六(6) 根平板天線。這些天線將被放置在屋頂上的仿真煙囪內。相關設備將被放置在地下室內，公眾從外面看不到這些設備。我們在會上將提供計畫書和類比圖片供您參考。我們誠邀您參加定於 2011 年 11 月 10 日 (星期四) 下午 7:00 在 Grace Cathedral 的 Chapter Room 召開的社區資訊通報會，以便您瞭解有關本專案的更多資訊。

如果您對該計畫有任何疑問，但是無法出席這次會議，請撥打 AT&T Mobility 公司熱線電話 (415) 646-0972，AT&T Mobility 公司的一位專業人員將會回復您的電話。如果您對本規劃程式有任何疑問，請致電 (415) 575-9116 與三藩市城市規劃局的規劃員 Michelle Stahlhut 聯繫。

**注意：如果您需要一名翻譯陪同您出席會議，請在不晚於 2011 年 11 月 7 日 (星期一) 下午 5 點前致電 (415) 646-0972 與本辦公室聯繫，我們將盡力為您配備一名翻譯。**



## Affidavit of Conducting a Community Outreach Meeting, Sign-in Sheet and Issues/Responses submittal

I, Eric Lentz, do hereby declare as follows:  
(print name)

1. I have conducted a **Community Outreach Meeting** for the proposed new construction or alteration prior to submitting a building permit in accordance with Planning Commission Pre-Application Policy.
2. The meeting was conducted at Grace Cathedral, Chapter Room, 1100 California Street  
(Meeting Location)  
  
on November 10, 2011 from 7:00pm – 8:15pm.  
(Date) (Time)
3. I have included the **mailing list, meeting initiation, sign-in sheet, issue/response summary, and reduced plans** with the Conditional Use Application. I understand that I am responsible for the accuracy of this information and that erroneous information may lead to suspension or revocation of the permit.
4. I have prepared these materials in good faith and to the best of my ability.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

EXECUTED ON THIS DAY, November 11, 2011 IN SAN FRANCISCO

  
\_\_\_\_\_  
Signature

Eric Lentz  
\_\_\_\_\_  
Name (type or print)

Agent for AT&T Mobility  
\_\_\_\_\_  
Relationship to Project, e.g. Owner, Agent  
(if Agent, give business name and profession)

800 Powell Street  
\_\_\_\_\_  
Project Address







# CC1255 UNIVERSITY CLUB

800 POWELL STREET  
SAN FRANCISCO, CA 94108



CODE COMPLIANCE
<p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.</p> <ol style="list-style-type: none"> <li>CALIFORNIA CODE OF REGULATIONS</li> <li>2010 CALIFORNIA BUILDING CODE</li> <li>2010 CALIFORNIA MECHANICAL CODE</li> <li>2010 CALIFORNIA PLUMBING CODE</li> <li>2010 CALIFORNIA ELECTRIC CODE</li> <li>ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE</li> <li>CITY/COUNTY ORDINANCES</li> </ol> <p>HANDICAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 1103B.</p>

PROJECT DESCRIPTION
<p>THIS PROJECT INVOLVES THE INSTALLATION OF:</p> <ol style="list-style-type: none"> <li>(N) AT&amp;T SIX (6) OUTDOOR PANEL ANTENNAS TO BE MOUNTED ON (E) ROOF.</li> <li>FIVE (5) AT&amp;T EQUIPMENT CABINETS TO BE MOUNTED IN (E) STORAGE ROOM IN BASEMENT. 249 SQUARE FEET</li> <li>ANTENNA COAXIAL TRANSMISSION LINES FROM BTS TO ANTENNAS.</li> </ol> <p>***POWER &amp; TELEPHONE SERVICE TO BE PROVIDED FROM (E) SOURCES***</p>

DRIVING DIRECTIONS
<p>FROM: 430 BUSH STREET, SAN FRANCISCO, CA 94108 TO: 800 POWELL ST, SAN FRANCISCO, CA 94108</p> <ol style="list-style-type: none"> <li>HEAD EAST ON BUSH ST TOWARD CLAUDE LN - 207 FT</li> <li>TAKE THE 1ST LEFT ONTO KEARNY ST - 344 FT</li> <li>TAKE THE 1ST LEFT ONTO PINE ST - 0.3 MI</li> <li>TURN RIGHT ONTO POWELL ST, DESTINATION WILL BE ON THE RIGHT, 453 FT</li> </ol> <p>ESTIMATED TIME: 3 MINS ESTIMATED DISTANCE: 0.5 MI</p>

GENERAL CONTRACTOR NOTES
<p><b>DO NOT SCALE DRAWINGS</b> THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 22"x34"</p> <p>CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.</p> <p>CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.</p>

PROJECT TEAM
<p><b>ARCHITECT / ENGINEER:</b> MICHAEL WILK ARCHITECTURE 229 ELLIS STREET SAN FRANCISCO, CA 94102 CONTACT: BRYNN MCMILLAN PHONE: (415) 839-9594 FAX: (415) 359-9961 EMAIL: bmcmlan@wilkarch.com</p> <p><b>PROJECT MANAGER:</b> ERICSSON 430 BUSH STREET, 5TH FLOOR SAN FRANCISCO, CA 94108 CONTACT: RICHARD F. NEWMAN PHONE: (415) 774-1288 EMAIL: richard.f.newman@ericsson.com</p> <p><b>SITE ACQUISITION:</b> PERMIT ME, INC. 430 BUSH STREET, 5TH FLOOR SAN FRANCISCO, CA 94108 CONTACT: CAROLINA ROBERTS PHONE: (925) 286-1076 EMAIL: carolinaroberts@permitme.net</p> <p><b>RF ENGINEER:</b> AT&amp;T 430 BUSH STREET, 5TH FLOOR SAN FRANCISCO, CA 94108 CONTACT: NAREN PRABNAKAR PHONE: (415) 774-1246 CELL: (801) 635-4444 EMAIL: np356s2@att.com</p>
<p><b>APPLICANT/LESSEE:</b> AT&amp;T 430 BUSH STREET, 5TH FLOOR SAN FRANCISCO, CA 94108</p> <p><b>ZONING MANAGER:</b> PERMIT ME, INC. 430 BUSH STREET, 5TH FLOOR SAN FRANCISCO, CA 94108 CONTACT: ERIC W. LENTZ PHONE: (805) 895-4394 EMAIL: ericlentz@permitme.net</p> <p><b>CONSTRUCTION MANAGER:</b> ERICSSON 430 BUSH STREET, 5TH FLOOR SAN FRANCISCO, CA 94108 CONTACT: KEITH BARNHART PHONE: (415) 404-1225 EMAIL: keith.barnhart@ericsson.com</p>

PROJECT INFORMATION
<p><b>SITE ADDRESS:</b> 800 POWELL STREET SAN FRANCISCO, CA 94108</p> <p><b>A.P.N.:</b> 0243-017 0243-054</p> <p><b>LAND OWNER:</b> ULN SF, A CALIFORNIA LLC 611 WASHINGTON ST #2204 SAN FRANCISCO, CA 94111 PHONE: (415) 781-0900</p> <p><b>LATITUDE:</b> 37° 47' 31.89" (NAD 83)</p> <p><b>LONGITUDE:</b> 122° 24' 32.37" (NAD 83)</p> <p><b>ZONING:</b> RM-4</p> <p><b>AMSL:</b> 296.0'</p> <p><b>JURISDICTION:</b> CITY &amp; COUNTY OF SAN FRANCISCO</p> <p><b>TELEPHONE:</b> AT&amp;T</p> <p><b>POWER:</b> PG&amp;E</p>



SHEET INDEX	
SHEET	DESCRIPTION
T-1	TITLE SHEET
LS-1	SURVEY
A-1	OVERALL SITE / ROOF PLAN
A-2	ENLARGED ROOF PLAN
A-3	ENLARGED EQUIPMENT/ ANTENNA LAYOUT
A-4	ELEVATIONS
A-5	ELEVATIONS
A-6	EQUIPMENT DETAILS
A-7	EQUIPMENT DETAILS



PROJECT INFORMATION:
<p><b>CC1255 UNIVERSITY CLUB</b> 800 POWELL STREET SAN FRANCISCO, CA 94108</p>

CURRENT ISSUE DATE:
09/06/11

ISSUED FOR:
100% ZONING DRAWINGS
REV.: DATE: DESCRIPTION: BY:
0 08/11/11 90% ZONING DRAWINGS BM
1 09/06/11 100% ZONING DRAWINGS BM

PROJECT ARCHITECT/ENGINEER:
<p><b>MICHAEL WILK ARCHITECTURE</b> 229 Ellis Street San Francisco, CA 94102 T: 415-839-9594 F: 415-359-9961 www.wilkarch.com</p>

CONSULTANT:

DRAWN BY:	CHK.:	APV.:
BM	MWA	MW

LICENSER:

SHEET TITLE:
<b>TITLE SHEET</b>

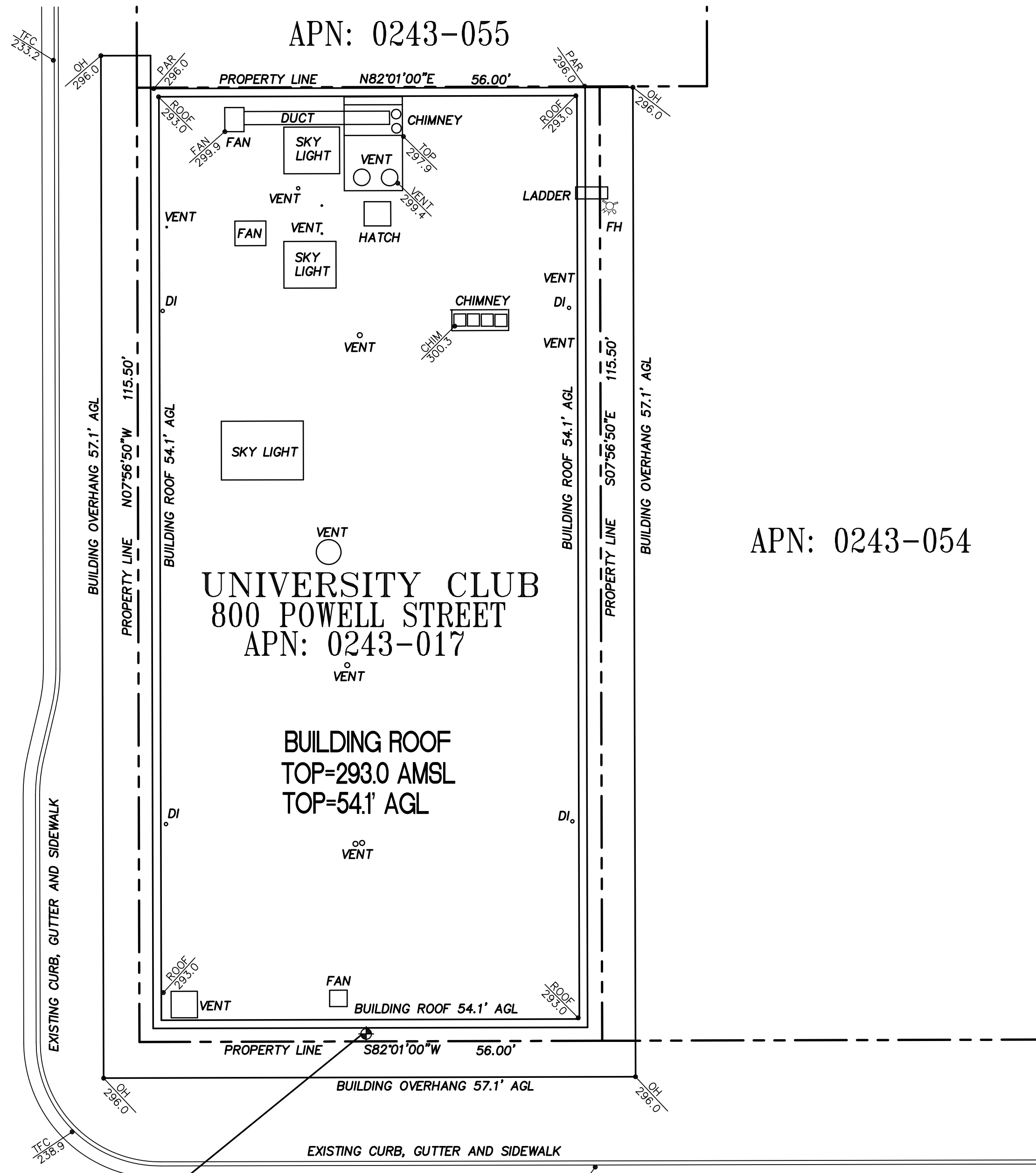
SHEET NUMBER:
<b>T-1</b>

APN: 0244-001

EXISTING CURB, GUTTER AND SIDEWALK

POWELL STREET

APN: 0243-055

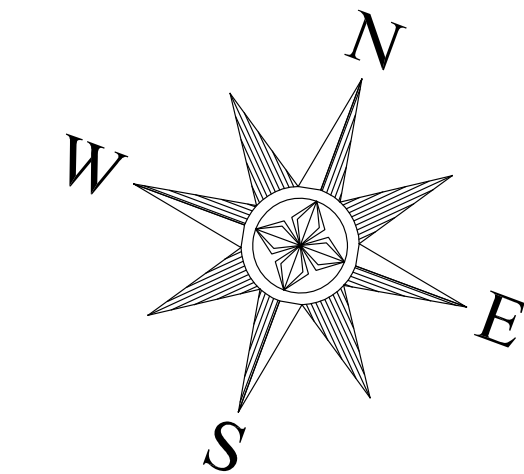


UNIVERSITY CLUB  
800 POWELL STREET  
APN: 0243-017

BUILDING ROOF  
TOP=293.0 AMSL  
TOP=54.1' AGL

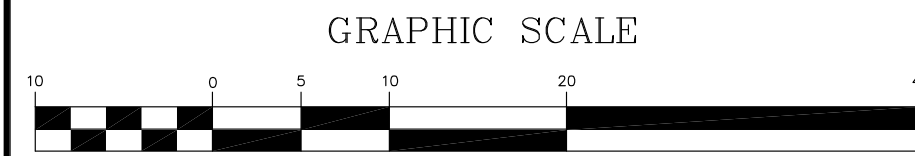
APN: 0243-054

CALIFORNIA STREET



**ROOF TOP OVERHANG  
GEODETIC COORDINATES**

(NAD 83) 37° 47' 31.89"  
122° 24' 32.37"  
GROUND ELEV=238.9 AMSL  
SW CORNER OF BUILDING  
ROOF TOP OVERHANG  
ELEVATION=296.0 AMSL  
HEIGHT=57.1' AGL



**OVERALL SITE PLAN**

EXISTING CURB, GUTTER AND SIDEWALK

APN: 0255-001

APN: 0256-016

APN: 0256-017



**VICINITY MAP**  
N.T.A.

**PROPERTY INFORMATION**

OWNER: ULN SF LLC  
 ADDRESS: 611 WASHINGTON STREET  
 SAN FRANCISCO, CA 94111  
 SITE: UNIVERSITY CLUB  
 800 POWELL STREET  
 SAN FRANCISCO, CA 94108  
 ASSESSOR'S PARCEL NUMBER: APN: 0243-017  
 EXISTING GROUND ELEVATION: GROUND ELEV=238.9 AMSL  
 SW CORNER OF BUILDING

**LESSOR'S LEGAL DESCRIPTION**

THE LAND IS SITUATED IN THE CITY OF SAN FRANCISCO,  
 COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA.  
 NO EASEMENTS DESCRIBED ON SAID DOCUMENT CONFLICT  
 WITH THE PROPOSED PROJECT AREA.

**TITLE REPORT**

NO TITLE REPORT WAS PROVIDED AT THE TIME OF SURVEY.

**BASIS OF BEARING**

BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE  
 NAD83 COORDINATE SYSTEM STATE PLANE COORDINATE ZONE 3,  
 DETERMINED BY GPS OBSERVATIONS.

**BENCHMARK**

ELEVATION ESTABLISHED FROM GPS DERIVED ORTHOMETRIC  
 HEIGHTS, APPLYING GEOID 99 SEPARATIONS, CONSTRAINING TO  
 NGS CONTROL STATION 'LUTZ' ELEVATION=450.0' (NAVD88)

**SURVEY DATE**

08/03/11

**SURVEYOR'S NOTES**

ALL EASEMENTS CONTAINED IN SAID TITLE REPORT AFFECTING  
 THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN  
 PLOTTED. SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC  
 RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED.  
 THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD  
 INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY  
 OF THE PROPERTY.

**UTILITY NOTES**

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN  
 OR THEIR LOCATIONS. IT IS THE RESPONSIBILITY OF THE  
 CONTRACTOR AND DEVELOPER TO CONTACT U.S.A. AND ANY  
 OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO  
 CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS  
 THE RESPONSIBILITY OF THE CONTRACTOR.

**LEGEND**

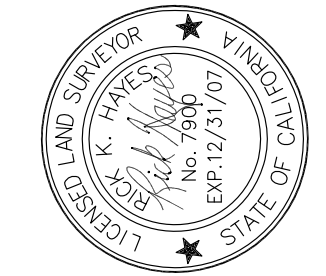
- |        |                             |       |                        |
|--------|-----------------------------|-------|------------------------|
| P.O.B. | POINT OF BEGINNING          | W     | WATER CONTROL VALVE    |
| TFC    | TOP FACE CURB               | ⊗     | FIRE HYDRANT           |
| R/W    | RIGHT OF WAY                | —     | GUY CONDUCTOR          |
| ASPH   | ASPHALT                     | —     | FOUND AS NOTED         |
| D/W    | ACCESS DRIVEWAY             | ⊙     | POWER POLE             |
| TOP    | TOP OF SLOPE                | ⊙     | LIGHT POLE             |
| SW     | SIDEWALK                    | ⊙     | ELECTRICAL TRANSFORMER |
| PAR    | PARAPET                     | ⊙     | AIR CONDITIONING UNIT  |
| PENT   | PENTHOUSE                   | ⊙     | TELEPHONE PEDESTAL     |
| ⊙      | LOT NUMBER                  | ⊙     | TELEPHONE VAULT        |
| ⊙      | BENCHMARK                   | ⊙     | TELEPHONE MANHOLE      |
| ⊙      | OR POSITION OF              | ⊙     | GAS VALVE              |
| ⊙      | GEODETIC COORDINATES        | ⊙     | GAS METER              |
| ⊙      | SPOT ELEVATION              | —     | PROPERTY LINE          |
| ⊙      | DISH ANTENNA                | —     | CHAIN LINK FENCE       |
| ⊙      | MICROWAVE ANTENNA           | —     | WOOD OR IRON FENCE     |
| ⊙      | TELECOMMUNICATIONS MONOPOLE | —     | CONDUCTOR OR BARBED    |
|        |                             | ===== | RAILROAD TRACKS        |

**ISSUE STATUS**

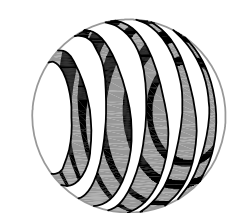
REV.	DATE	DESCRIPTION
1	08/06/11	SITE PLAN



**HAYES**  
 Land Surveying  
 And Mapping  
 705 ROCK CREEK PLACE  
 PLEASANT HILL, CA 94523



**at&t**



4430 ROSEWOOD DR BLDG 3, 6TH FLOOR  
 PLEASANTON, CA 94588

**TOPOGRAPHIC SURVEY  
EXISTING CONDITIONS**

CC1255  
 UNIVERSITY CLUB  
 800 POWELL STREET  
 SAN FRANCISCO, CA

LS-1  
 SHEET 1 of 1



PROJECT INFORMATION:  
**CC1255**  
**UNIVERSITY CLUB**  
 800 POWELL STREET  
 SAN FRANCISCO, CA 94108

CURRENT ISSUE DATE:  
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**100% ZONING DRAWINGS**

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0	08/11/11	90% ZONING DRAWINGS	BM
1	09/06/11	100% ZONING DRAWINGS	BM

PROJECT ARCHITECT/ENGINEER:  
**MICHAEL WILK ARCHITECTURE**  
 229 Ellis Street  
 San Francisco, CA 94102  
 T: 415-839-9594  
 F: 415-359-9961  
 www.wilkarch.com

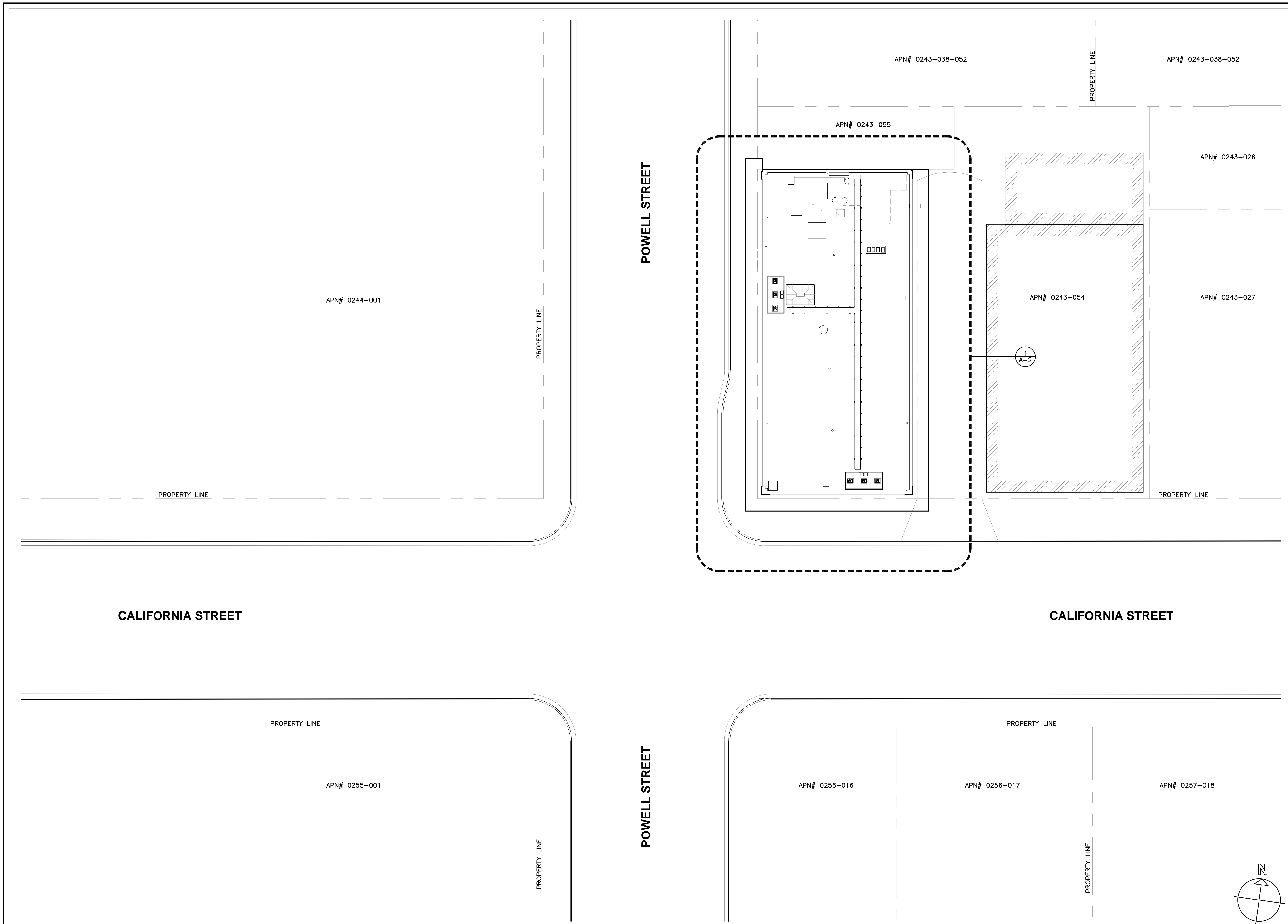
CONSULTANT:

DRAWN BY: BM    CHK.: MWA    APV.: MW

LICENSER:

SHEET TITLE:  
**OVERALL SITE/ ROOF PLAN**

SHEET NUMBER:  
**A-1**



OVERALL SITE / ROOF PLAN

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



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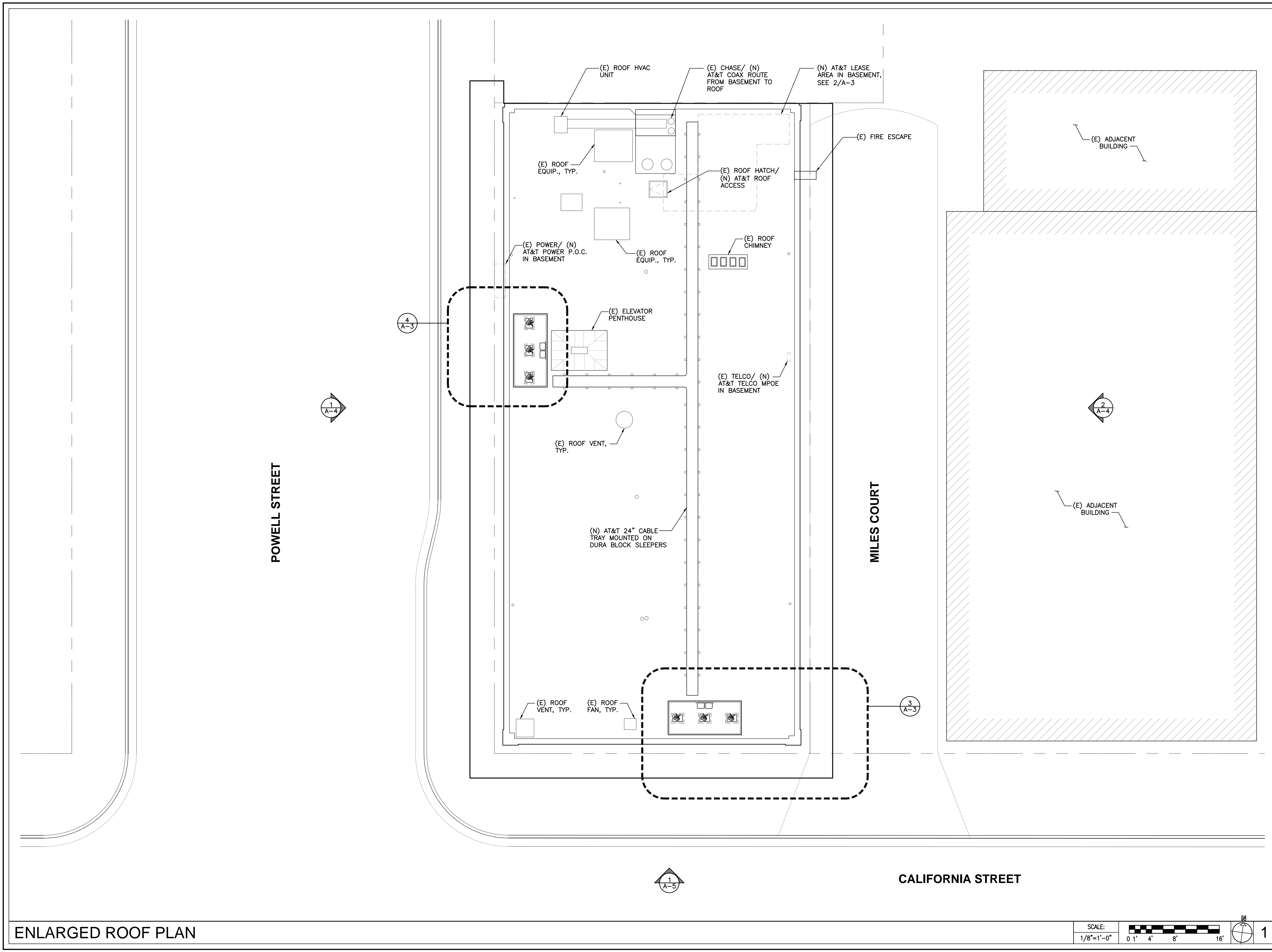
CONSULTANT:

DRAWN BY:	CHK.:	APV.:
BM	MWA	MW

LICENSER:

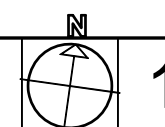
SHEET TITLE:  
**ENLARGED ROOF PLAN**

SHEET NUMBER:  
**A-2**



ENLARGED ROOF PLAN

SCALE: 1/8"=1'-0"  
 0 1' 4' 8' 16'





PROJECT INFORMATION:  
**CC1255**  
**UNIVERSITY CLUB**  
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 SAN FRANCISCO, CA 94108

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1	09/06/11	100% ZONING DRAWINGS	BM

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 229 Ellis Street  
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 T: 415-839-9594  
 F: 415-359-9961  
 www.wilkarch.com

CONSULTANT:  
 \_\_\_\_\_

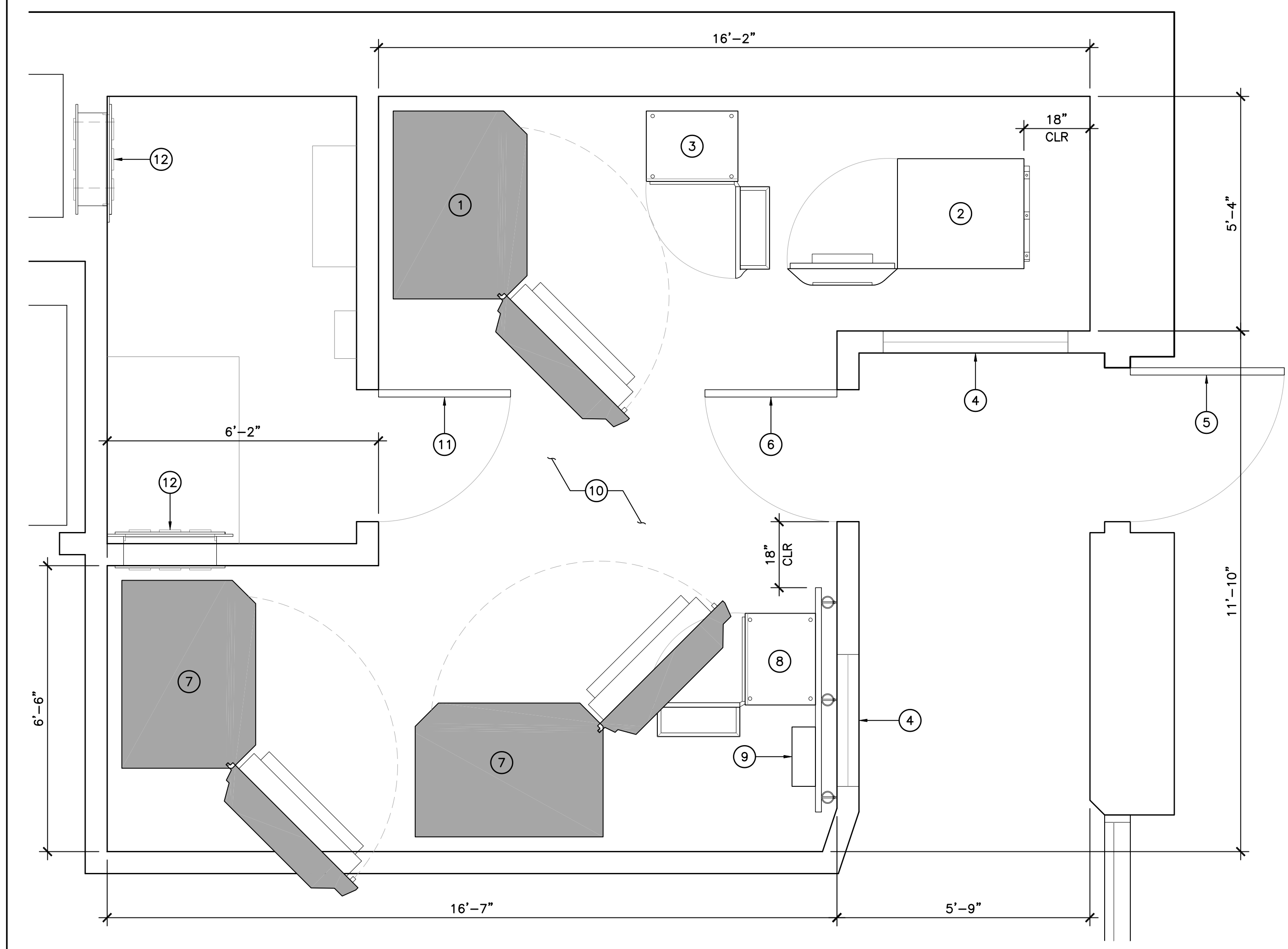
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 BM MWA MW

LICENSER:  
 \_\_\_\_\_

SHEET TITLE:  
**ENLARGED EQUIPMENT/ANTENNA LAYOUT**

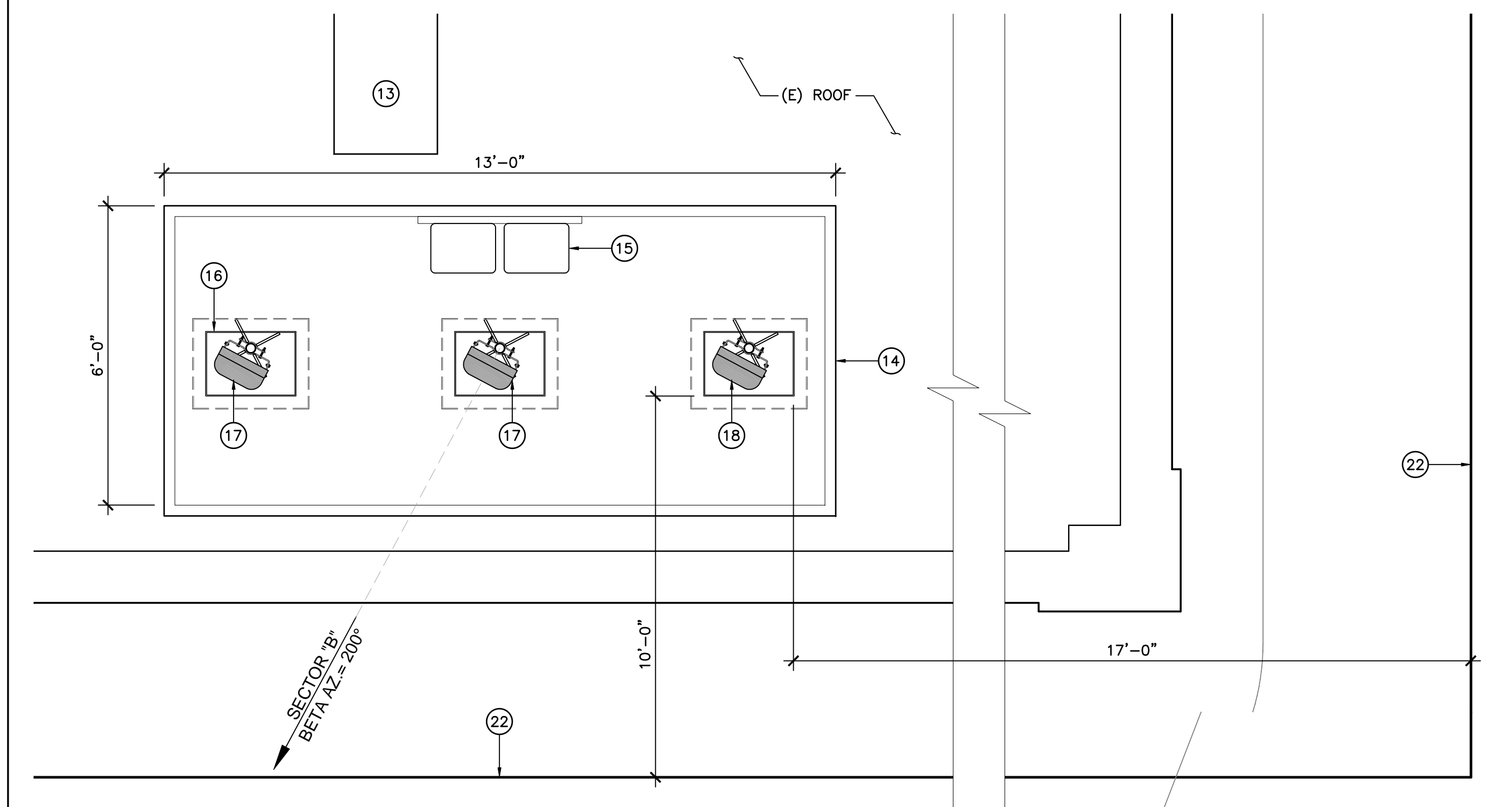
SHEET NUMBER:  
**A-3**

- ① (N) AT&T GSM RBA 2106 CABINET ② <sup>2</sup>/<sub>A-6</sub>
- ② (N) AT&T LTE PURCELL CABINET ③ <sup>2</sup>/<sub>A-7</sub>
- ③ (N) AT&T RBA 72 BATTERY CABINET ④ <sup>1</sup>/<sub>A-7</sub>
- ④ (E) WINDOW TO REMAIN
- ⑤ (E) EMERGENCY EXIT
- ⑥ (E) STORAGE ROOM ACCESS DOOR/ (N) AT&T ACCESS DOOR
- ⑦ (N) AT&T UMS RBA 3106 CABINET, TYP. OF 2 ⑧ <sup>1</sup>/<sub>A-6</sub>
- ⑧ (N) AT&T PURCELL CABINET AT H-FRAME ⑨ <sup>3</sup>/<sub>A-6</sub>
- ⑨ (N) AT&T CIENA CABINET AT H-FRAME ⑩ <sup>3</sup>/<sub>A-6</sub>
- ⑩ (E) STORAGE ROOM/ (N) AT&T LEASE AREA 249 SQ FT
- ⑪ (E) ELEVATOR CHASE ACCESS DOOR
- ⑫ (N) AT&T WAVEGUIDE PORT, TYP. OF 2
- ⑬ (N) AT&T 24" CABLE TRAY MOUNTED ON DURA BLOCK SLEEPERS
- ⑭ (N) AT&T 13'-0" X 6'-0" WOOD FRAME WALL, MATCH (E)
- ⑮ (N) AT&T RRU-H MOUNTED TO UNISTRUT, TYP. OF 4 (2 PER SECTOR) ⑯ <sup>3</sup>/<sub>A-7</sub>
- ⑰ (N) AT&T FAUX CHIMNEY TO MATCH (E), TYP. OF 6 (3 PER SECTOR)
- ⑱ (N) AT&T POWERWAVE PANEL ANTENNA (200° AZIMUTH, SECTOR 'B'), TYP OF 2 ⑳ <sup>4</sup>/<sub>A-7</sub>
- ⑲ (N) AT&T ANDREW PANEL ANTENNA (200° AZIMUTH, SECTOR 'B'), TYP OF 1 ㉑ <sup>5</sup>/<sub>A-7</sub>
- ⑳ (N) AT&T POWERWAVE PANEL ANTENNA (290° AZIMUTH, SECTOR 'A'), TYP OF 2 ㉒ <sup>4</sup>/<sub>A-7</sub>
- ㉑ (N) AT&T ANDREW PANEL ANTENNA (290° AZIMUTH, SECTOR 'A'), TYP OF 1 ㉓ <sup>5</sup>/<sub>A-7</sub>
- ㉒ (E) ELEVATOR PENTHOUSE
- ㉓ (E) EDGE OF PARAPET



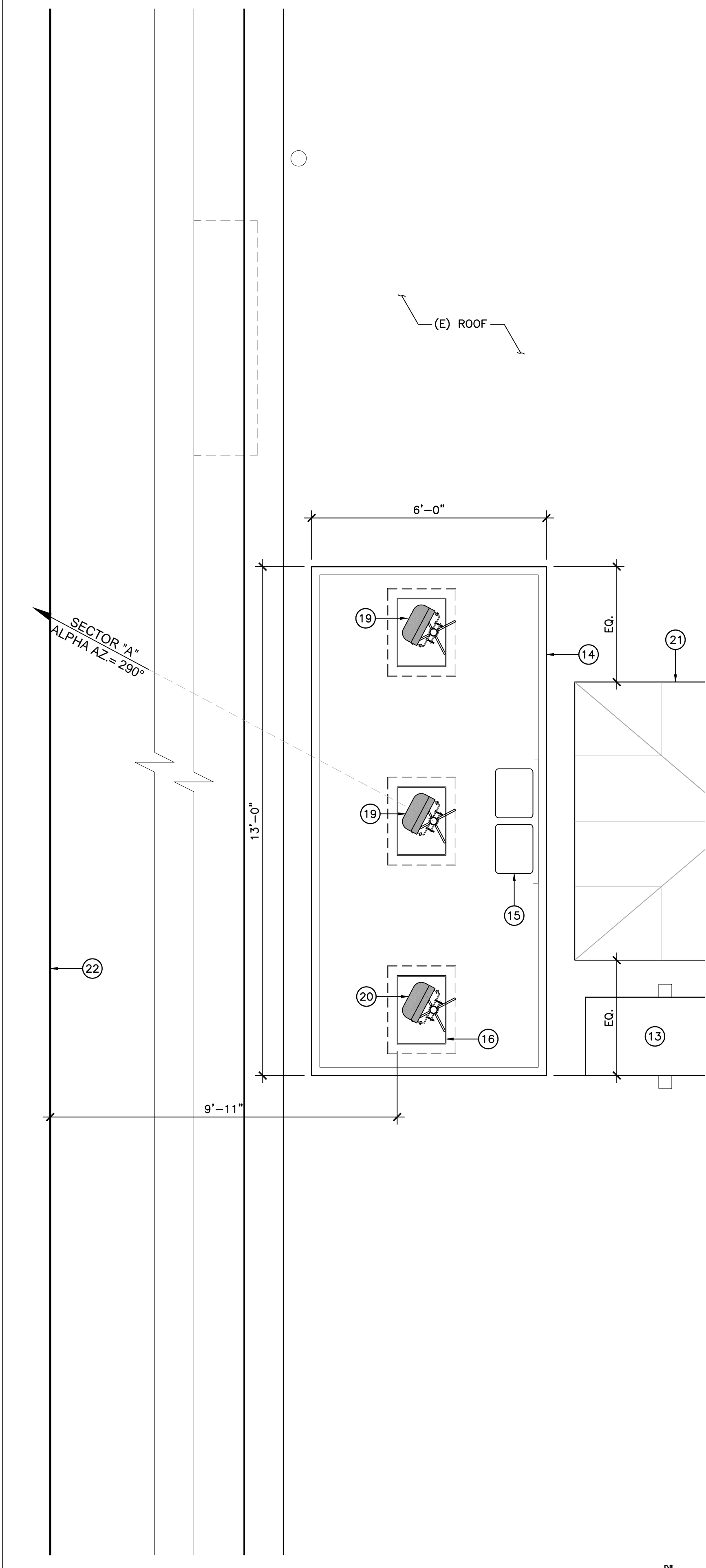
ENLARGED EQUIPMENT LAYOUT

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



ENLARGED ANTENNA LAYOUT

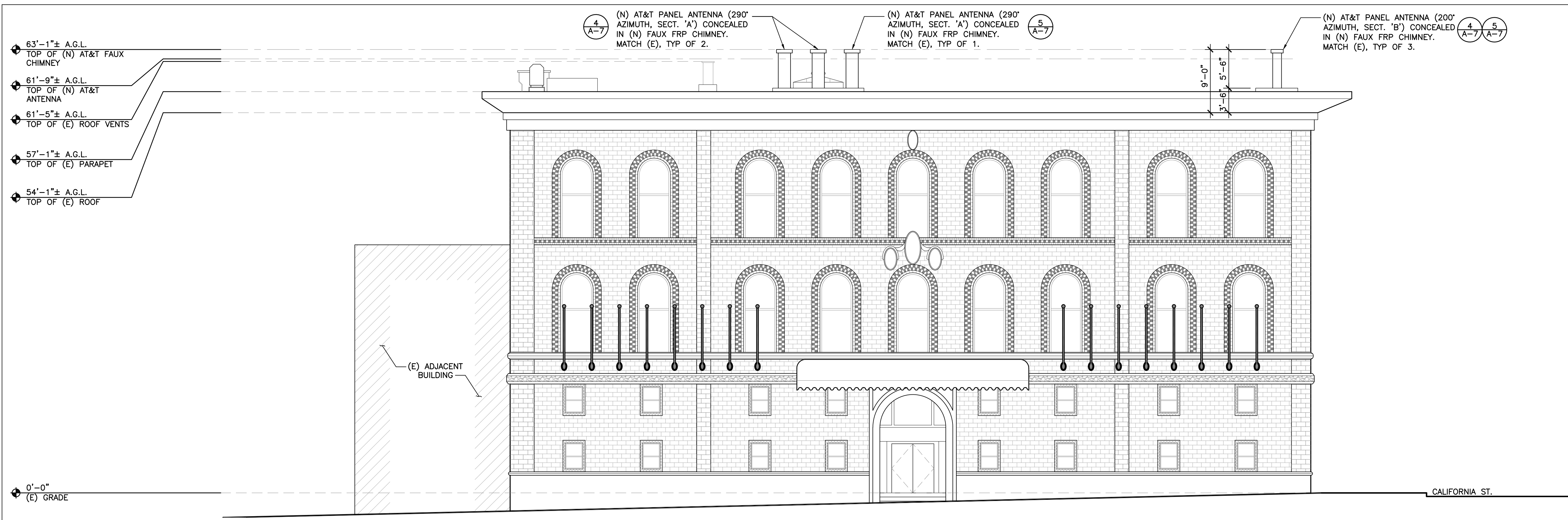
SCALE: 1/2"=1'-0" 0 1' 4' 3



ENLARGED ANT LAYOUT

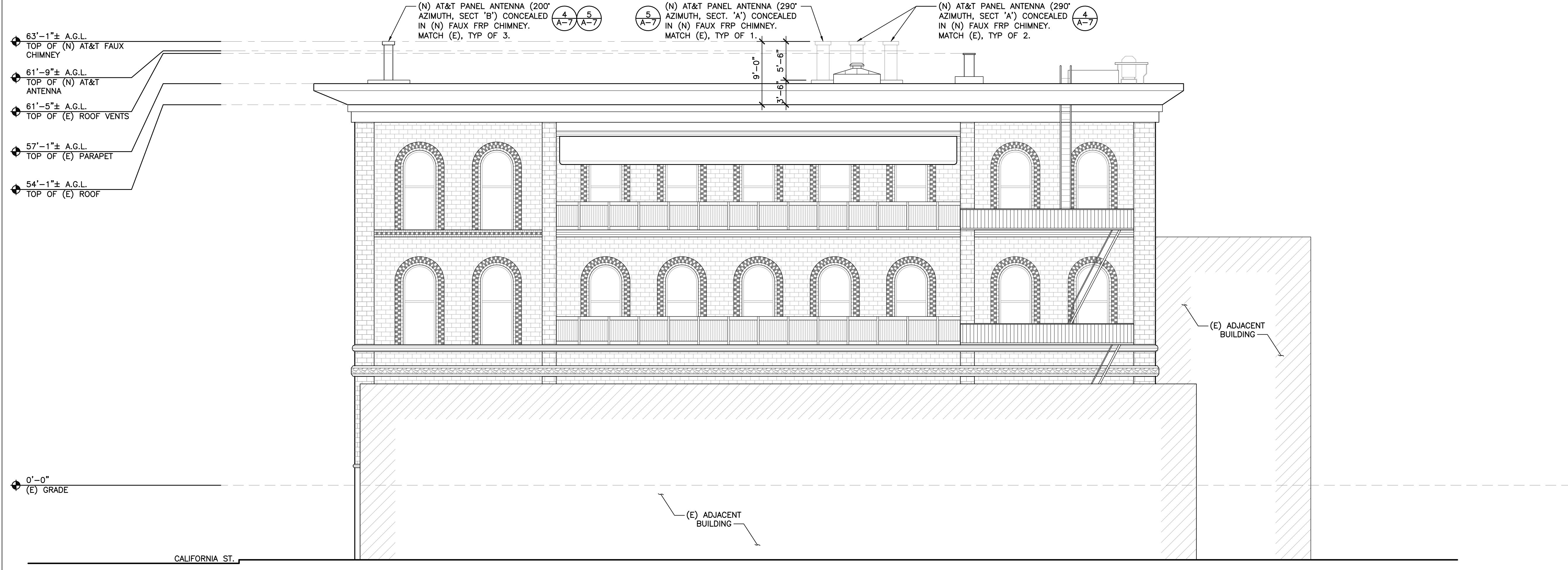
SCALE: 1/2"=1'-0" 0 1' 4' 4

KEYED NOTES 1



WEST ELEVATION

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



EAST ELEVATION

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



PROJECT INFORMATION:  
**CC1255 UNIVERSITY CLUB**  
 800 POWELL STREET  
 SAN FRANCISCO, CA 94108

CURRENT ISSUE DATE:  
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**100% ZONING DRAWINGS**

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0	08/11/11	90% ZONING DRAWINGS	BM
1	09/06/11	100% ZONING DRAWINGS	BM

PROJECT ARCHITECT/ENGINEER:  
**MICHAEL WILK ARCHITECTURE**  
 229 Ellis Street  
 San Francisco, CA 94102  
 T: 415-839-9594  
 F: 415-359-9961  
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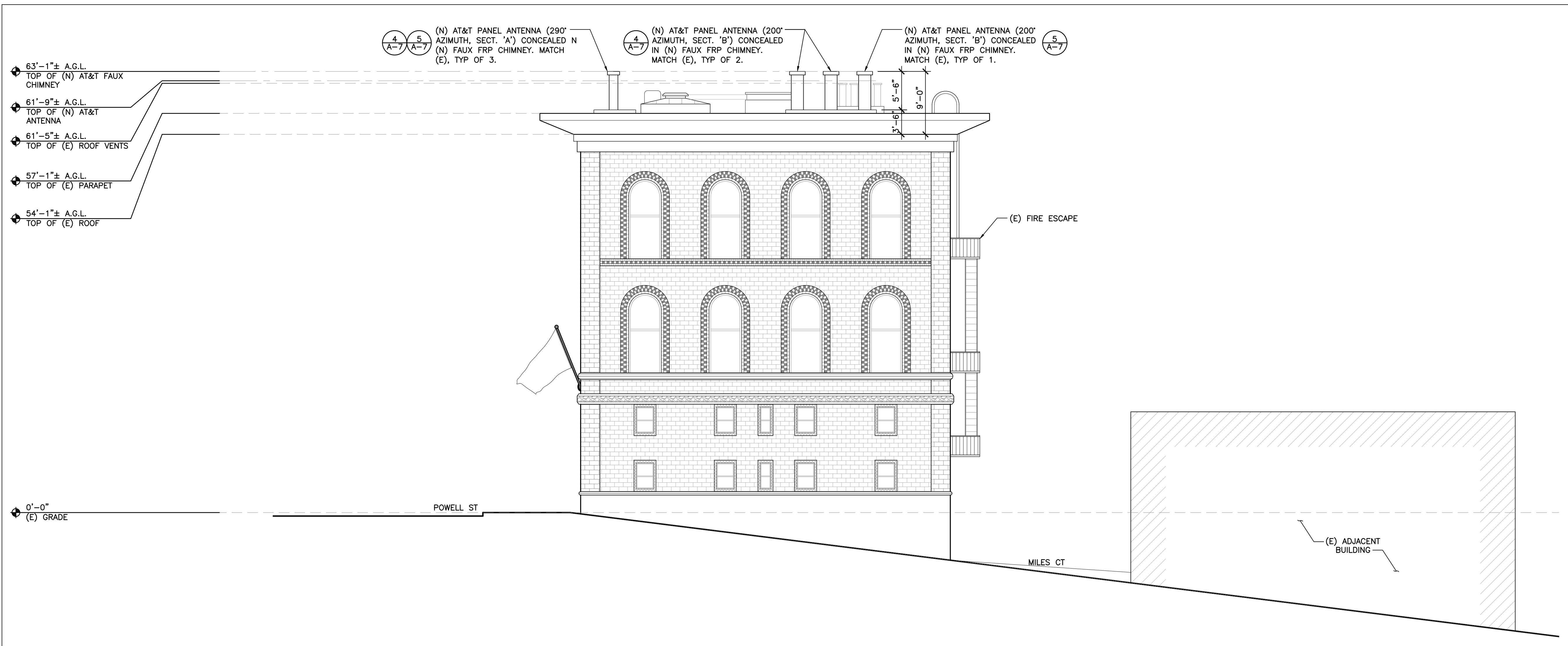
CONSULTANT:  
 \_\_\_\_\_

DRAWN BY: \_\_\_\_\_ CHK.: \_\_\_\_\_ APV.: \_\_\_\_\_  
 BM MWA MW

LICENSER:  
 \_\_\_\_\_

SHEET TITLE:  
**ELEVATIONS**

SHEET NUMBER:  
**A-4**



SOUTH ELEVATION

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

NOT USED

2



PROJECT INFORMATION:  
**CC1255**  
**UNIVERSITY CLUB**  
 800 POWELL STREET  
 SAN FRANCISCO, CA 94108

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**MICHAEL WILK ARCHITECTURE**  
 229 Ellis Street  
 San Francisco, CA 94102  
 T: 415-839-9594  
 F: 415-359-9961  
 www.wilkarch.com

CONSULTANT:  
 \_\_\_\_\_

DRAWN BY: \_\_\_\_\_ CHK.: \_\_\_\_\_ APV.: \_\_\_\_\_  
 BM MWA MW

LICENSER:  
 \_\_\_\_\_

SHEET TITLE:  
**ELEVATIONS**

SHEET NUMBER:  
**A-5**



PROJECT INFORMATION:  
**CC1255**  
**UNIVERSITY CLUB**  
 800 POWELL STREET  
 SAN FRANCISCO, CA 94108

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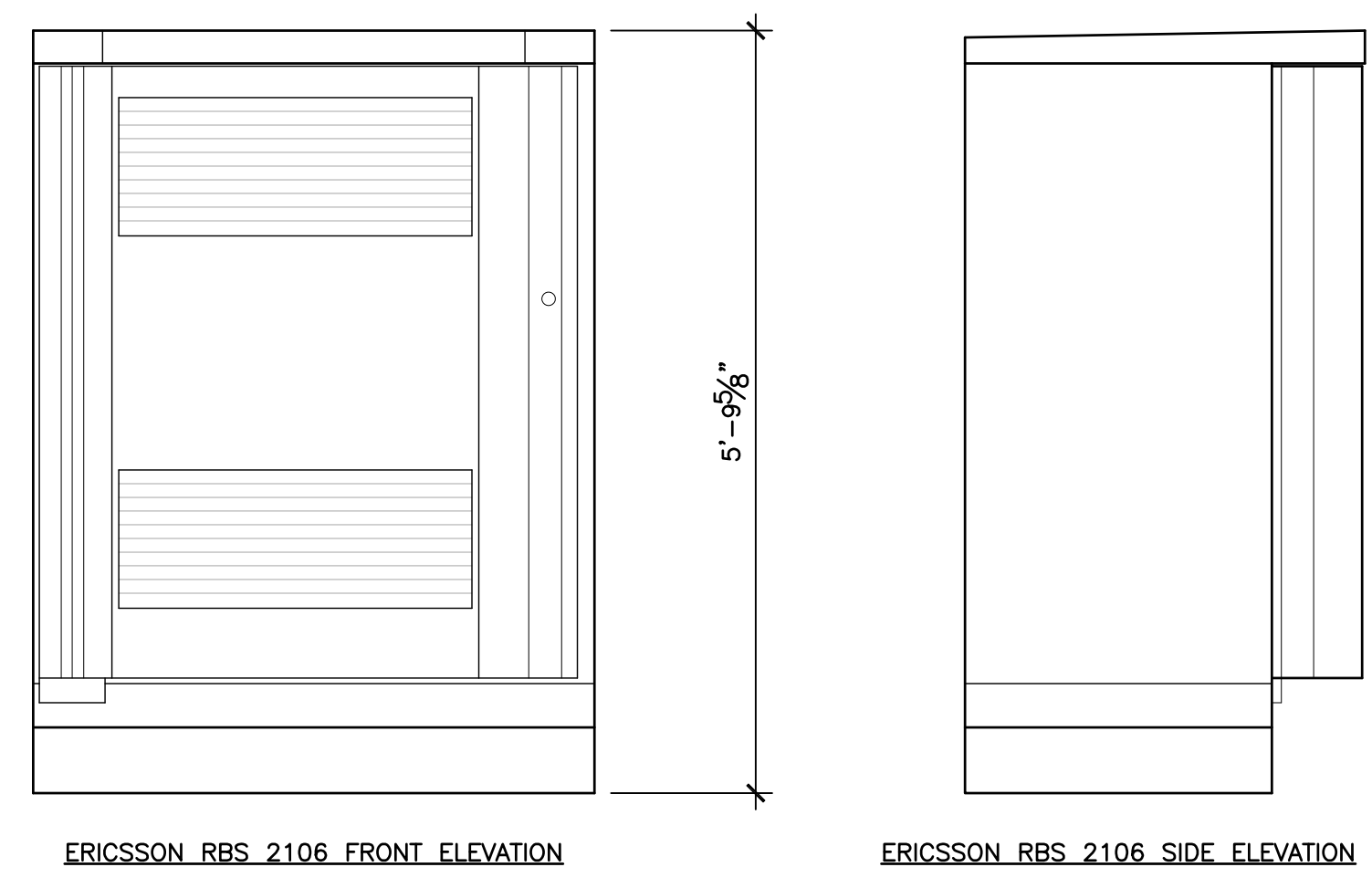
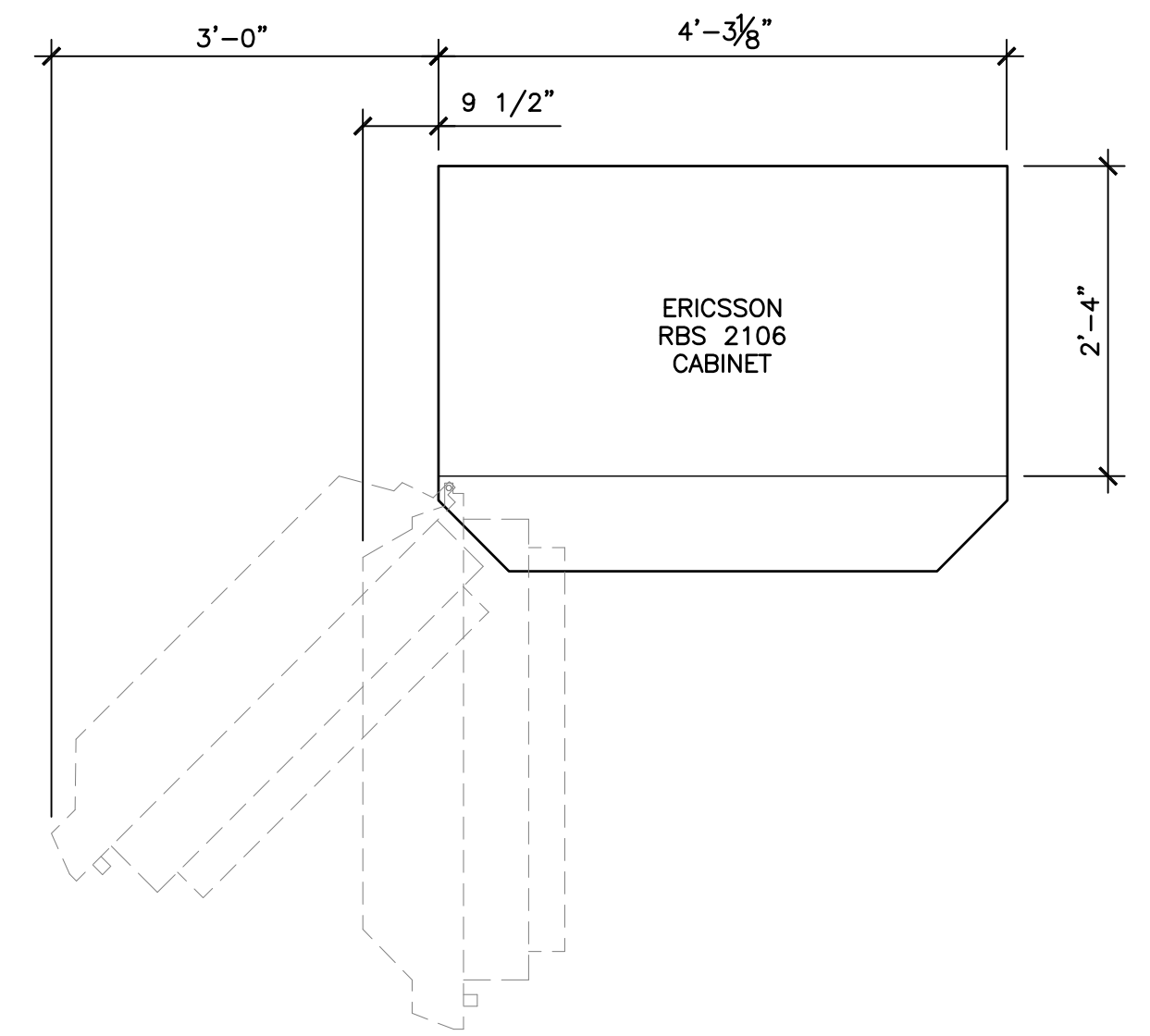
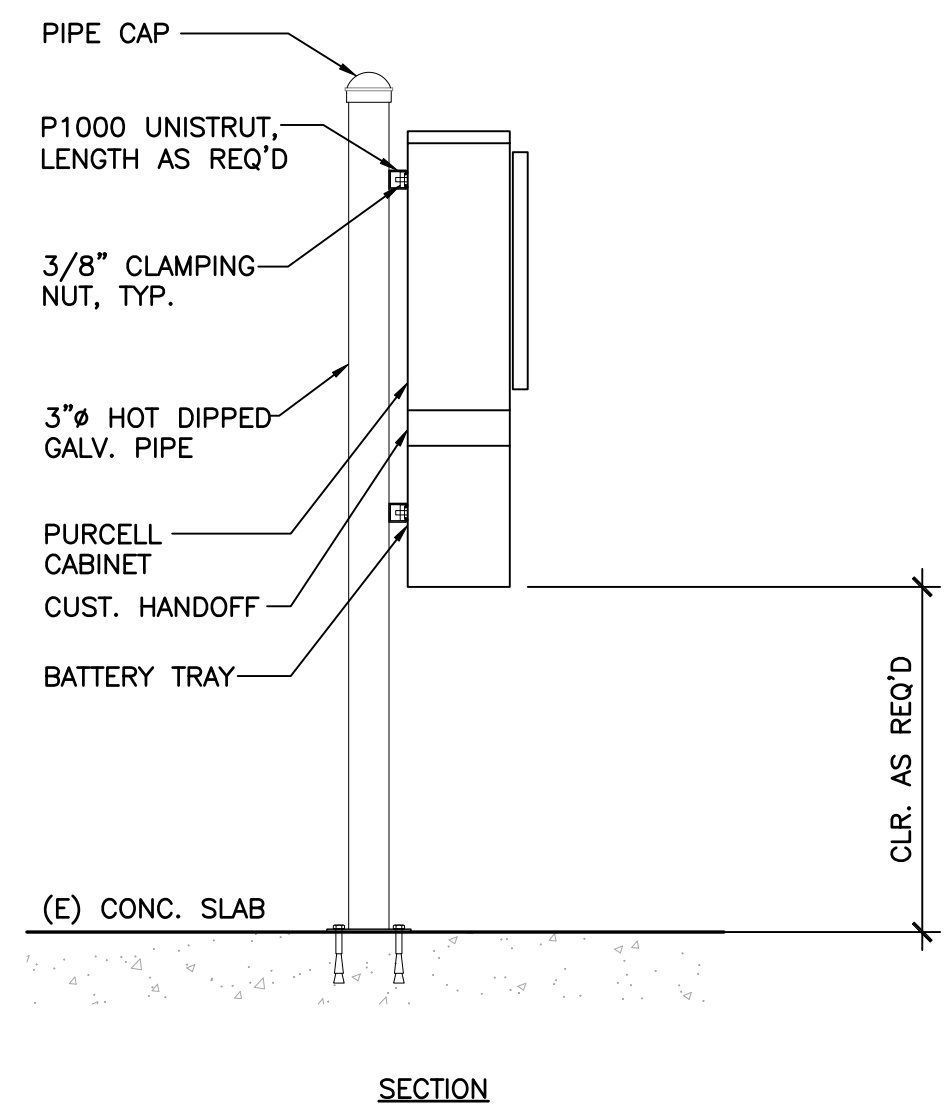
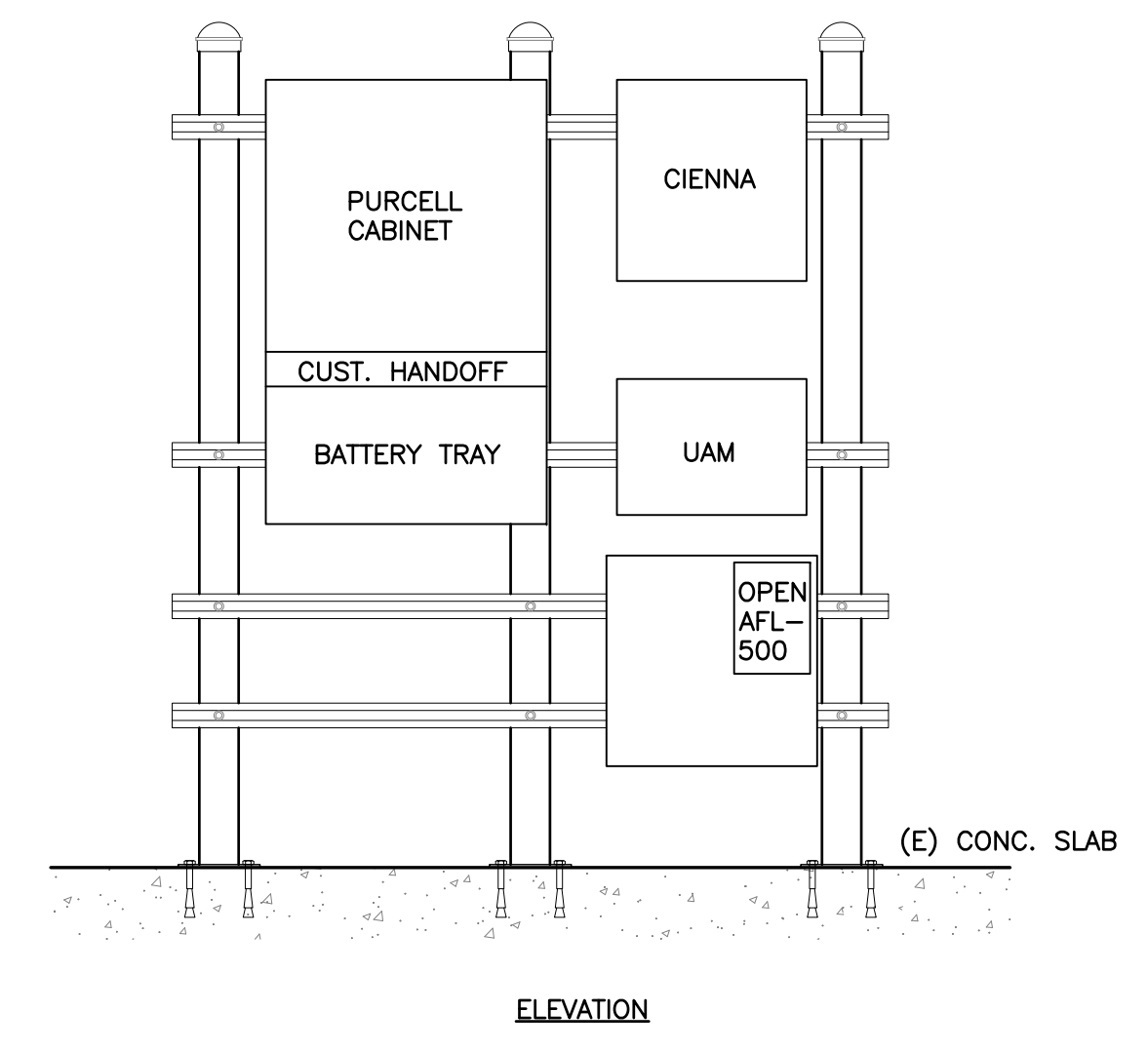
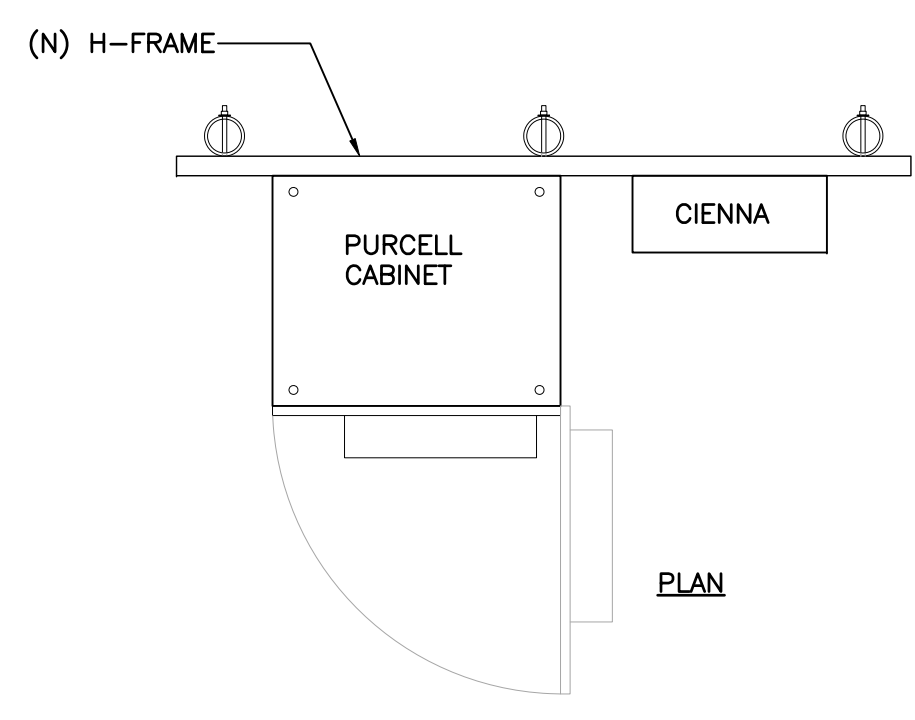
CONSULTANT:

DRAWN BY: BM    CHK.: MWA    APV.: MW

LICENSER:

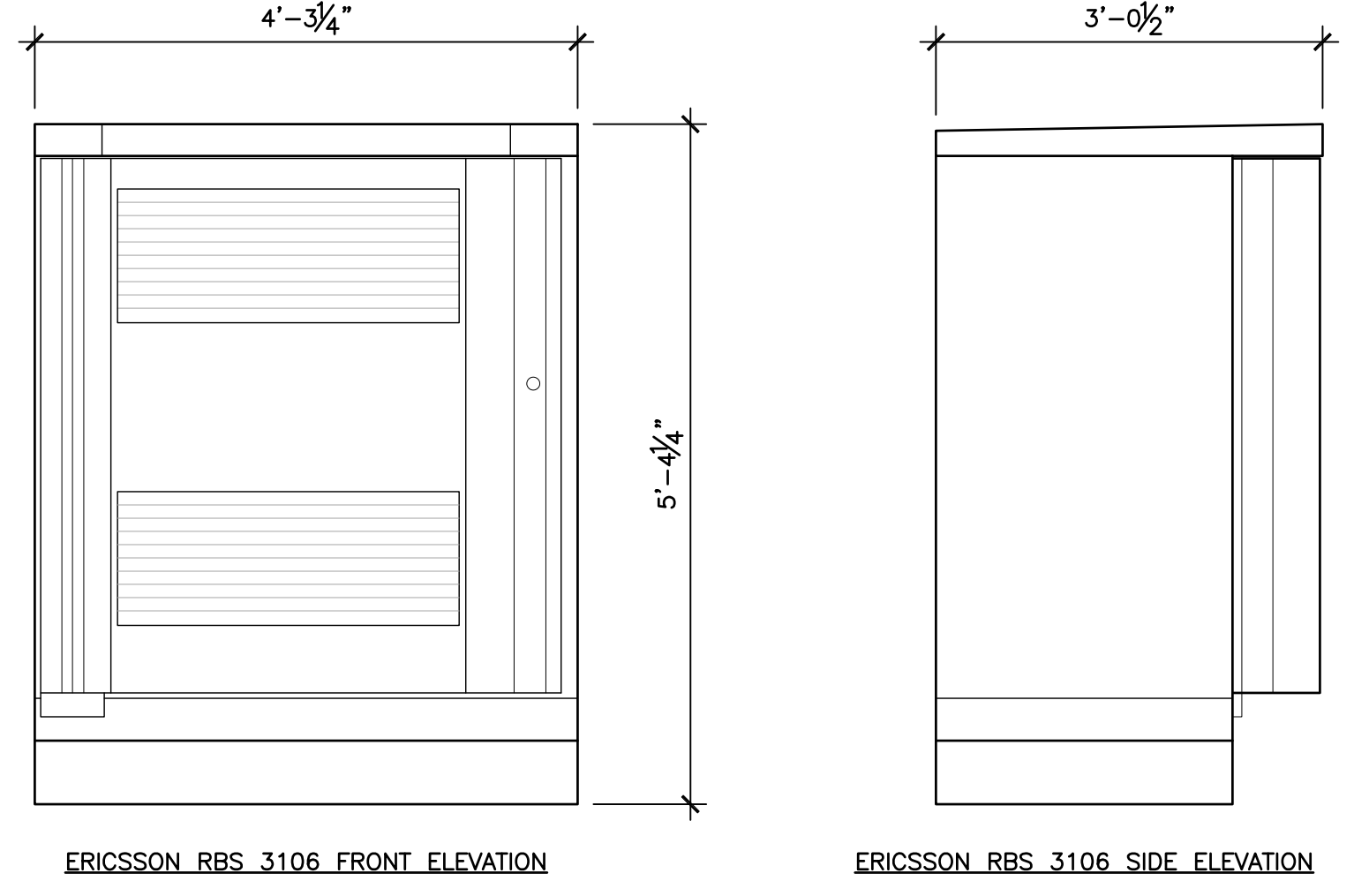
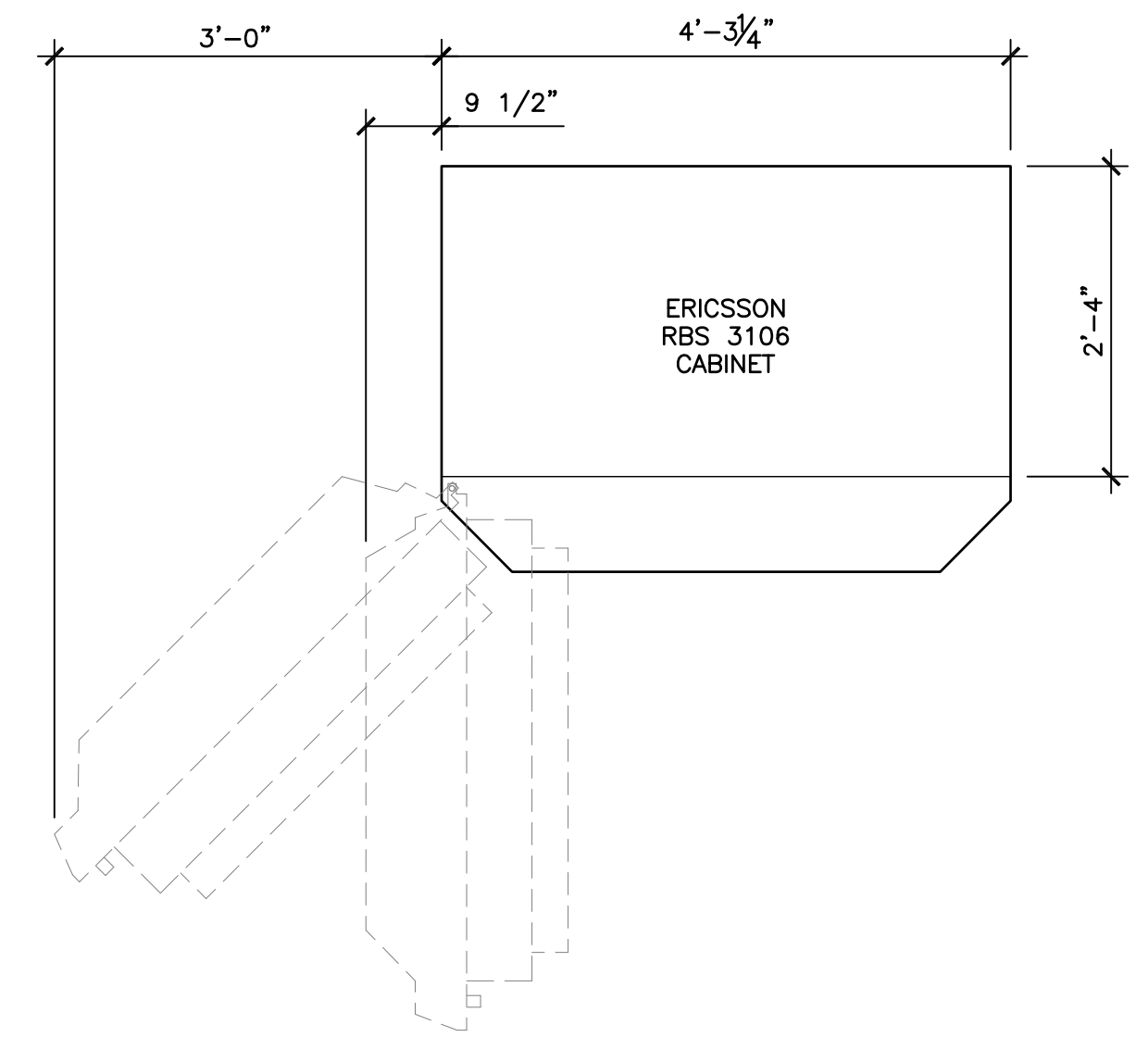
SHEET TITLE:  
**EQUIPMENT DETAILS**

SHEET NUMBER:  
**A-6**



ERICSSON RBS 2106 DIMENSIONS	
CABINET	HEIGHT x WIDTH x DEPTH
RBS 2106	63 5/8"H x 51 3/16"W x 36 3/8"D
FOOTPRINT (INCLUDING INSTALLATION FRAME)	63 5/8"H x 51 3/16"W x 28"D

ERICSSON RBS 2106 MINIMUM CLEARANCES	
DIRECTION	MINIMUM CLEARANCE
CABINET FRONT	55"
CABINET REAR	2"
CABINET LEFT	0" (3' MIN. FOR 135° DOOR SWING)
CABINET RIGHT	0"
ABOVE THE CABINET	-



ERICSSON RBS 3106 DIMENSIONS	
CABINET	HEIGHT x WIDTH x DEPTH
RBS 3106	64 1/4"H x 51 1/4"W x 36 1/2"D
FOOTPRINT (INCLUDING INSTALLATION FRAME)	63 1/4"H x 51 1/4"W x 28"D

ERICSSON RBS 3106 MINIMUM CLEARANCES	
DIRECTION	MINIMUM CLEARANCE
CABINET FRONT	55"
CABINET REAR	2"
CABINET LEFT	0" (3'-0" MIN. FOR 135° DOOR SWING)
CABINET RIGHT	0"
ABOVE THE CABINET	-

PURCELL CABINET AT H-FRAME DETAIL

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

3 2106 CABINET DETAIL

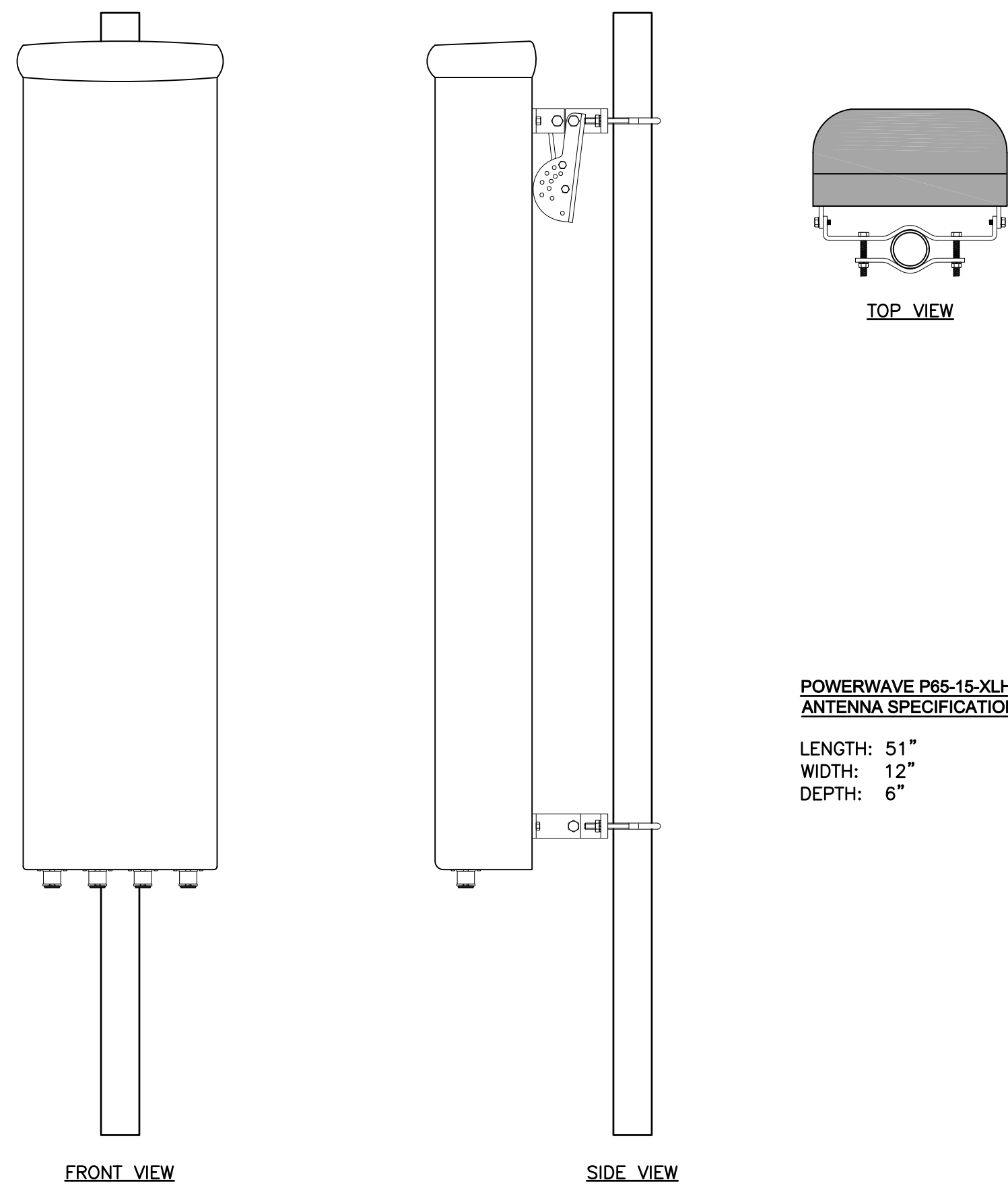
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2 3106 CABINET DETAIL

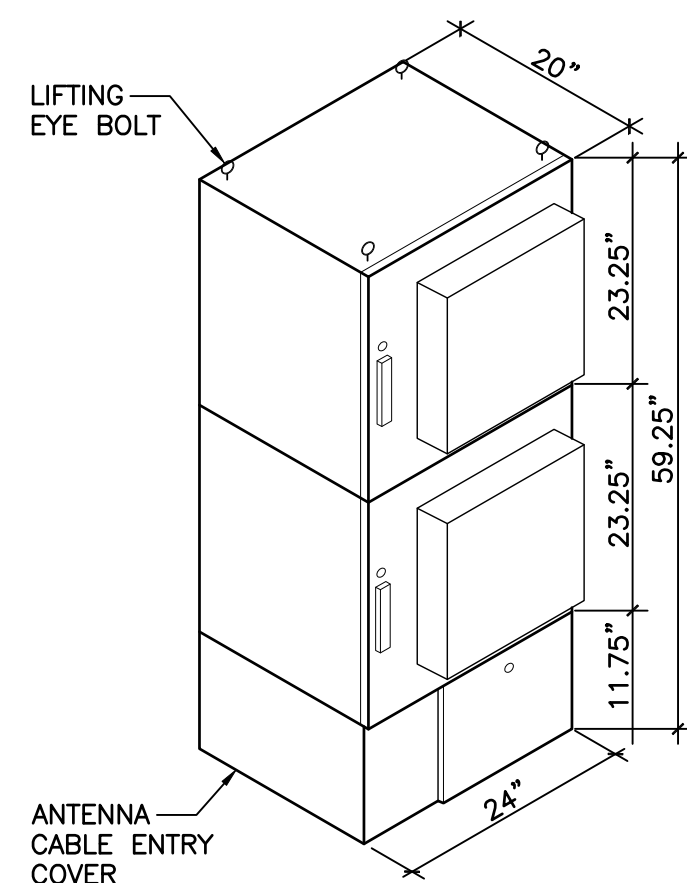
SCALE: 3/4"=1'-0"

1

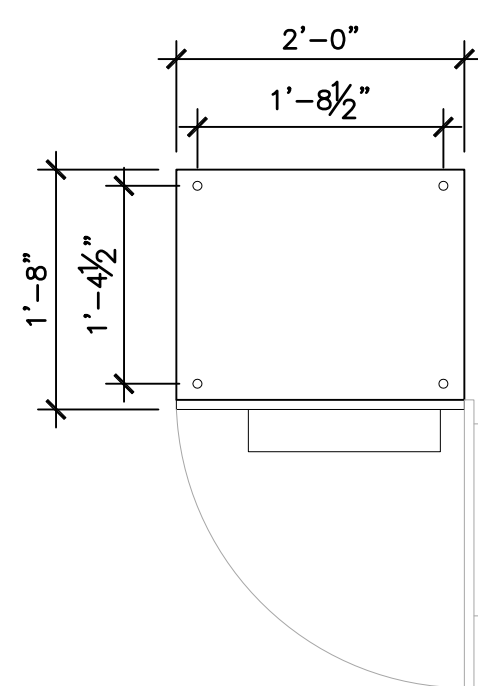




**POWERWAVE P65-15-XLH-RR ANTENNA SPECIFICATIONS:**  
 LENGTH: 51"  
 WIDTH: 12"  
 DEPTH: 6"

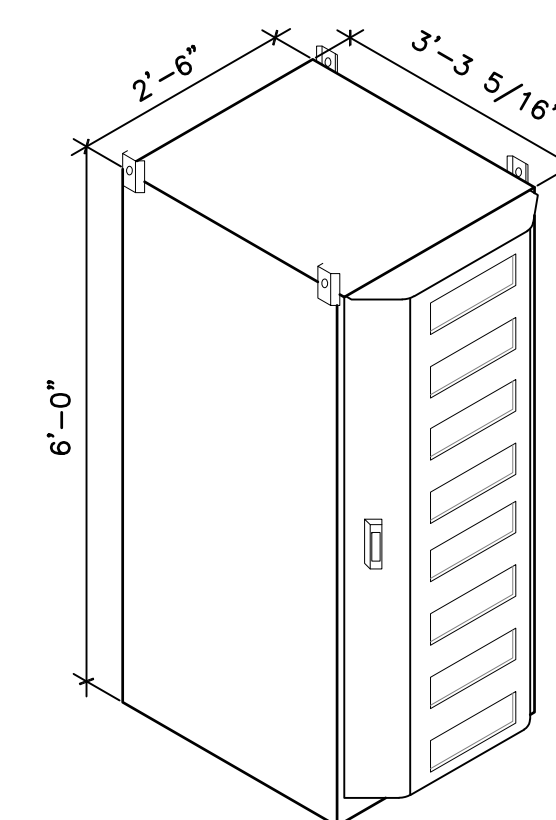


ISOMETRIC VIEW OF PURCELL LTE CABINET

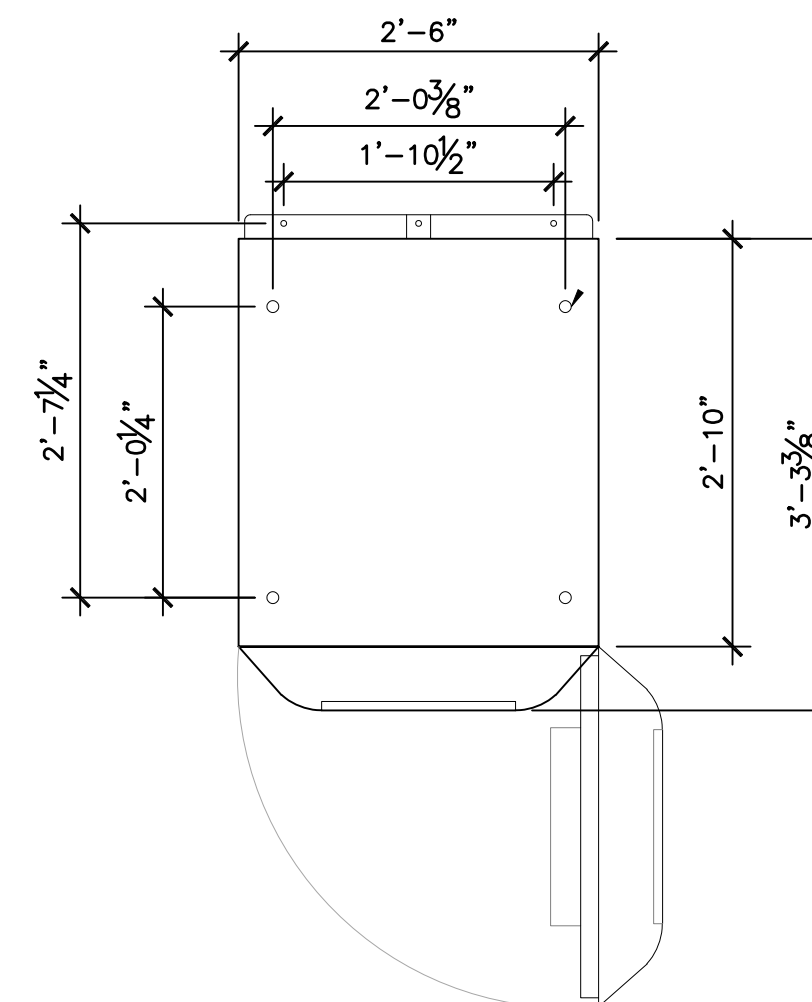


BOLT DOWN PATTERN FOR PURCELL LTE CABINET

PURCELL LTE CABINET DIMENSIONS	
CABINET	HEIGHT x WIDTH x DEPTH
PURCELL LTE	56" x 24" x 56"

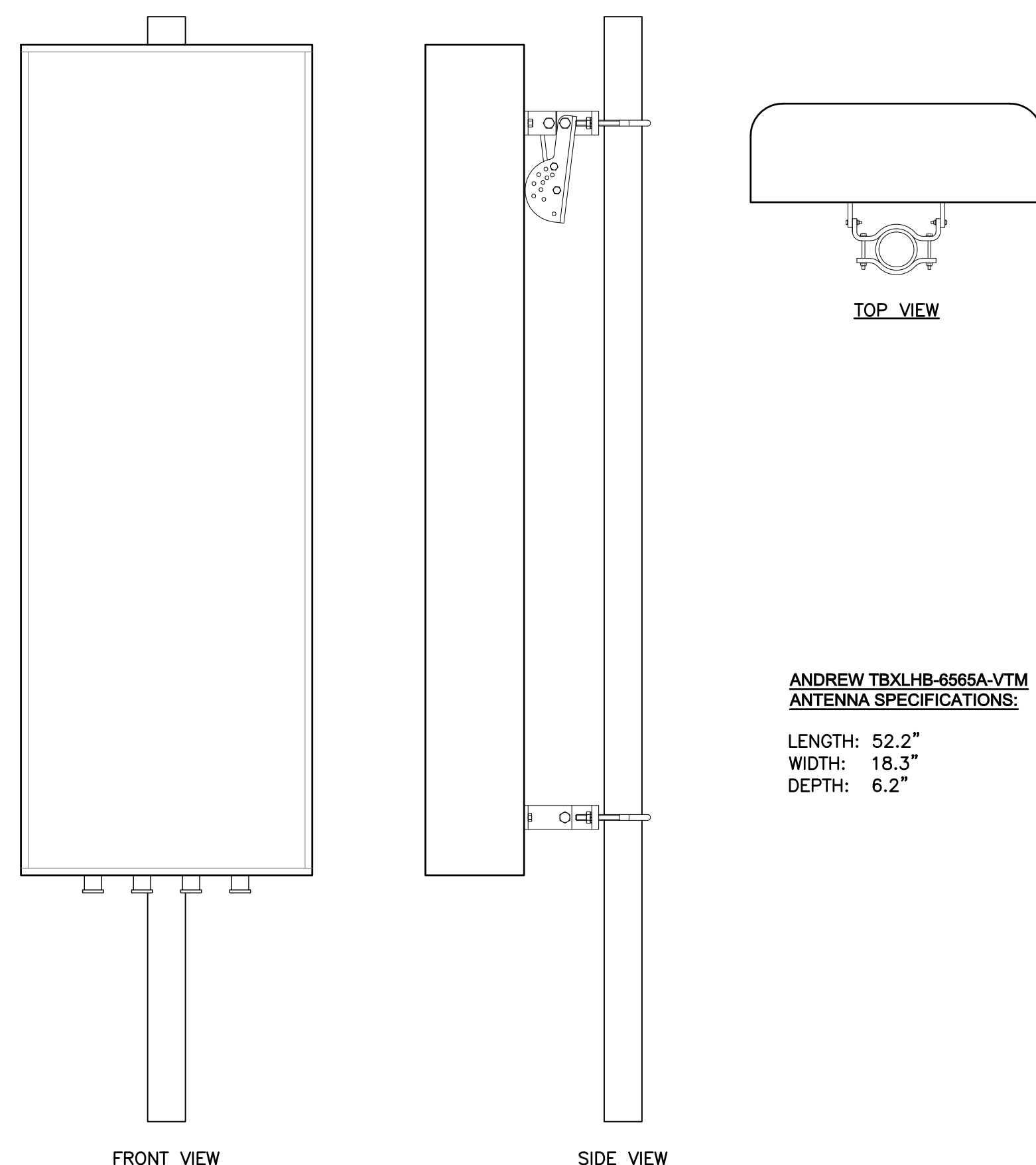


ISOMETRIC VIEW OF POWER & BATTERY CABINET



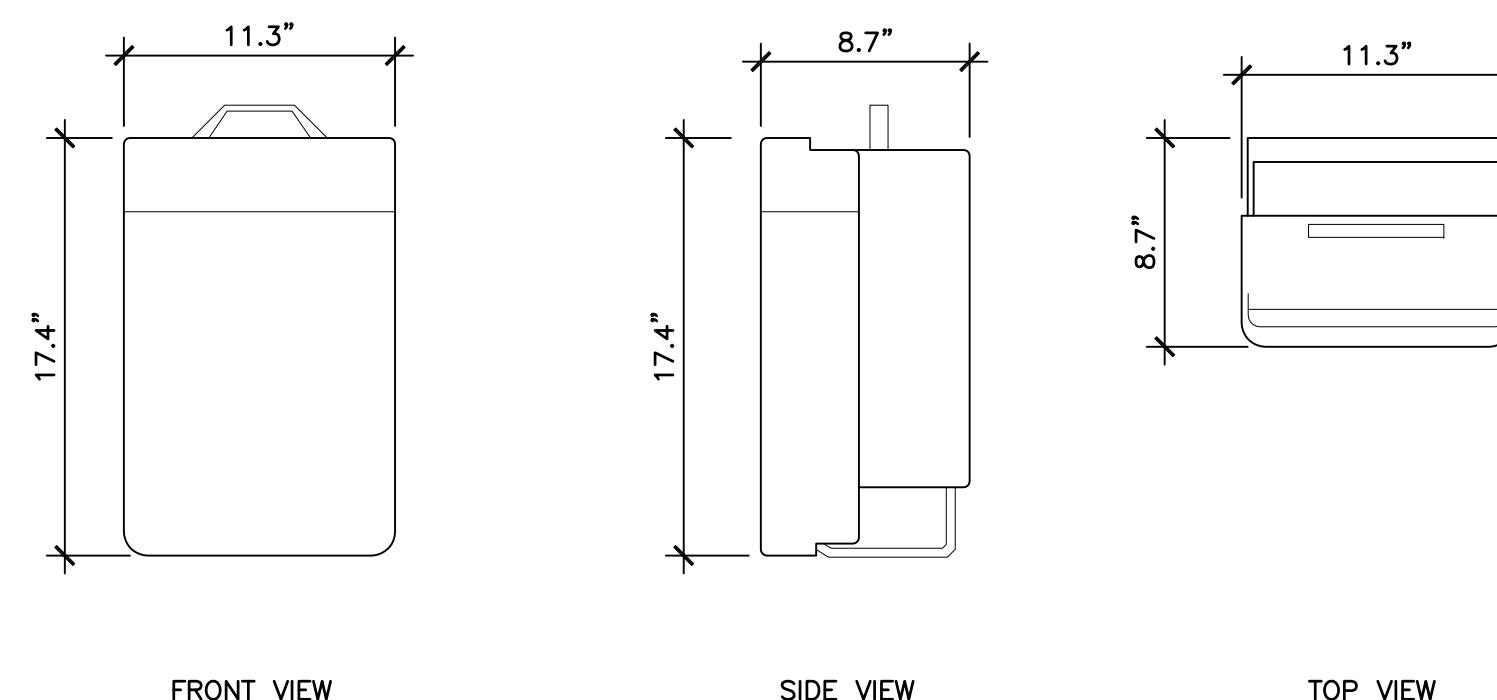
RBA72 POWER & BATTERY CABINET DIMENSIONS	
CABINET	HEIGHT x WIDTH x DEPTH
RBA 72	72" x 30" x 39 3/8"
FOOTPRINT (INCLUDING INSTALLATION FRAME)	30" x 34"

NOTE: BATTERIES ARE TOTALLY SEALED LEAD ACID BATTERIES



**ANDREW TBXLHB-6565A-R2M ANTENNA SPECIFICATIONS:**  
 LENGTH: 52.2"  
 WIDTH: 18.3"  
 DEPTH: 6.2"

PURCELL LTE CABINET DETAIL



**RRU-H SPECIFICATIONS:**  
 LENGTH: 17.4"  
 WIDTH: 8.7"  
 DEPTH: 11.3"

RBA72 POWER & BATTERY CABINET DETAIL

POWERWAVE P65-15-XLH-RR ANTENNA DETAIL

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

ANDREW TBXLHB-6565A-R2M PANEL ANTENNA

SCALE: 1-1/2"=1'-0" 5

RRU-H DETAIL

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

PROJECT INFORMATION:

**CC1255 UNIVERSITY CLUB**

800 POWELL STREET  
 SAN FRANCISCO, CA 94108

CURRENT ISSUE DATE:

09/06/11

ISSUED FOR:

100% ZONING DRAWINGS

REV.: DATE: DESCRIPTION: BY:

0	08/11/11	90% ZONING DRAWINGS	BM
1	09/06/11	100% ZONING DRAWINGS	BM

PROJECT ARCHITECT/ENGINEER:

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CONSULTANT:

DRAWN BY: CHK.: APV.:

BM MWA MW

LICENSER:

SHEET TITLE:

**EQUIPMENT DETAILS**

SHEET NUMBER:

**A-7**

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