



# SAN FRANCISCO PLANNING DEPARTMENT

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## Executive Summary CONDITIONAL USE AUTHORIZATION

HEARING DATE: MARCH 25, 2010

*Date:* March 18, 2010  
*Case No.:* **2009.0599C**  
*Project Address:* **135 Mississippi Street**  
*Current Zoning:* UMU (Urban Mixed Use) District  
40-X Height and Bulk District  
*Block/Lots:* 3987/007  
*Project Sponsor:* Joe Camicia  
3850 23<sup>rd</sup> Street  
San Francisco, CA 94114  
*Staff Contact:* Diego R Sánchez – (415) 575-9082  
[diego.sanchez@sfgov.org](mailto:diego.sanchez@sfgov.org)  
*Recommendation:* **Approval with Conditions**

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### PROJECT DESCRIPTION

The proposal is to install four wireless panel antennas with a Location Preference #4, (Industrial/Commercial Structure) on the elevator penthouse of an existing four story industrial building and four equipment cabinets and one GPS antenna on the side of a rooftop mechanical equipment installation. The antennas would be mounted approximately 50 feet above the street frontage on the roof of the subject property. Each antenna is approximately 1 ½ feet wide, 5 feet high and ¼ foot in depth. The addition of these antennas is intended to assist in the maintenance and expansion of the T-Mobile wireless telecommunications network within the southeast sector of the City of San Francisco.

### SITE DESCRIPTION AND PRESENT USE

The project is located on the east side Mississippi Street, between 17<sup>th</sup> Street and Mariposa Street, lot 007 of Assessor's Block 3987. The lot is approximately 9,500 square feet in area. An existing four story industrial building encompasses the lot. The site is used for office and/or light industrial uses, including the publication of an independently owned weekly newspaper.

### SURROUNDING PROPERTIES & NEIGHBORHOOD

The subject property is located at the northeastern end of the Potrero Hill neighborhood, within an area used for light industrial, associated office uses and residences. To the south of the subject property are industrially used properties, including an automobile repair shop. Immediately across from the subject property to the west are one and two story industrial properties. To the north of the site is another industrially used property. Behind the subject property, to the east, are buildings used for light industrial uses and for office uses associated with those activities. Residential properties are also found

in the vicinity of the building including multi-family buildings to the south, southeast and northeast of the subject property. Other residential properties are found on subsequent blocks to the north, south and west of the subject property.

UMU (Urban Mixed Use) Zoning districts surround the subject property in all directions. RH-2 (Residential, House, Two Family) and RH-3 (Residential, House Three Family) districts are found to the west and south at approximately one and one half to two block distances from the subject property. To east the subject property is bounded by Interstate 280 and further still, the Mission Bay Redevelopment Area. Overall, the site is located within an immediate area that is used for industrial, office and residential purposes.

### ENVIRONMENTAL REVIEW STATUS

The proposed project was determined by the San Francisco Public Utilities Commission's Bureau of Environmental and Regulatory Management to be categorically exempt from the environmental review process pursuant to Class 3 exemptions of Title 14 of the California Administrative Code.

### HEARING NOTIFICATION REQUIREMENTS

TYPE	REQUIRED PERIOD	REQUIRED NOTICE DATE	ACTUAL NOTICE DATE	ACTUAL PERIOD
Classified News Ad	20 days	March 5, 2010	March 5, 2010	20 days
Posted Notice	20 days	March 5, 2010	March 5, 2010	20 days
Mailed Notice	20 days	March 5, 2010	March 5, 2010	20 days

### ISSUES AND OTHER CONSIDERATIONS

- The Department has received telephone calls and email messages from two members of the public regarding the proposed project. Public input has been in regard to a concern about the safety upon area residents given the radiation levels produced by wireless transmission facilities in general, as well as general inquiries about the status and nature of the project.

### REQUIRED COMMISSION ACTION

Authorize Conditional Use under Planning Code Sections 843.93 and 303 to allow for the establishment of a wireless transmission facility within the UMU (Urban Mixed Use) District and a 40-X Height and Bulk District.

### 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 1996 WTS Facilities Siting Guidelines, Planning Commission Resolution No. 14182.
- The proposed location is classified as a Preferred Site for wireless transmission facilities as it is an Industrial/Commercial site with a Location Preference Number 4.
- The project sponsor has complied with all procedural requirements for the establishment of a wireless transmission facility, including holding a community outreach meeting to residents within 500 feet of the proposed location in December 2009.
- The proposed project will assist in maintaining a complete and comprehensive wireless telecommunications network within the city of San Francisco and provides a service that is in demand and serves the public good.

<b>RECOMMENDATION:</b> <b>Approve with Conditions</b>
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## Exhibit Checklist

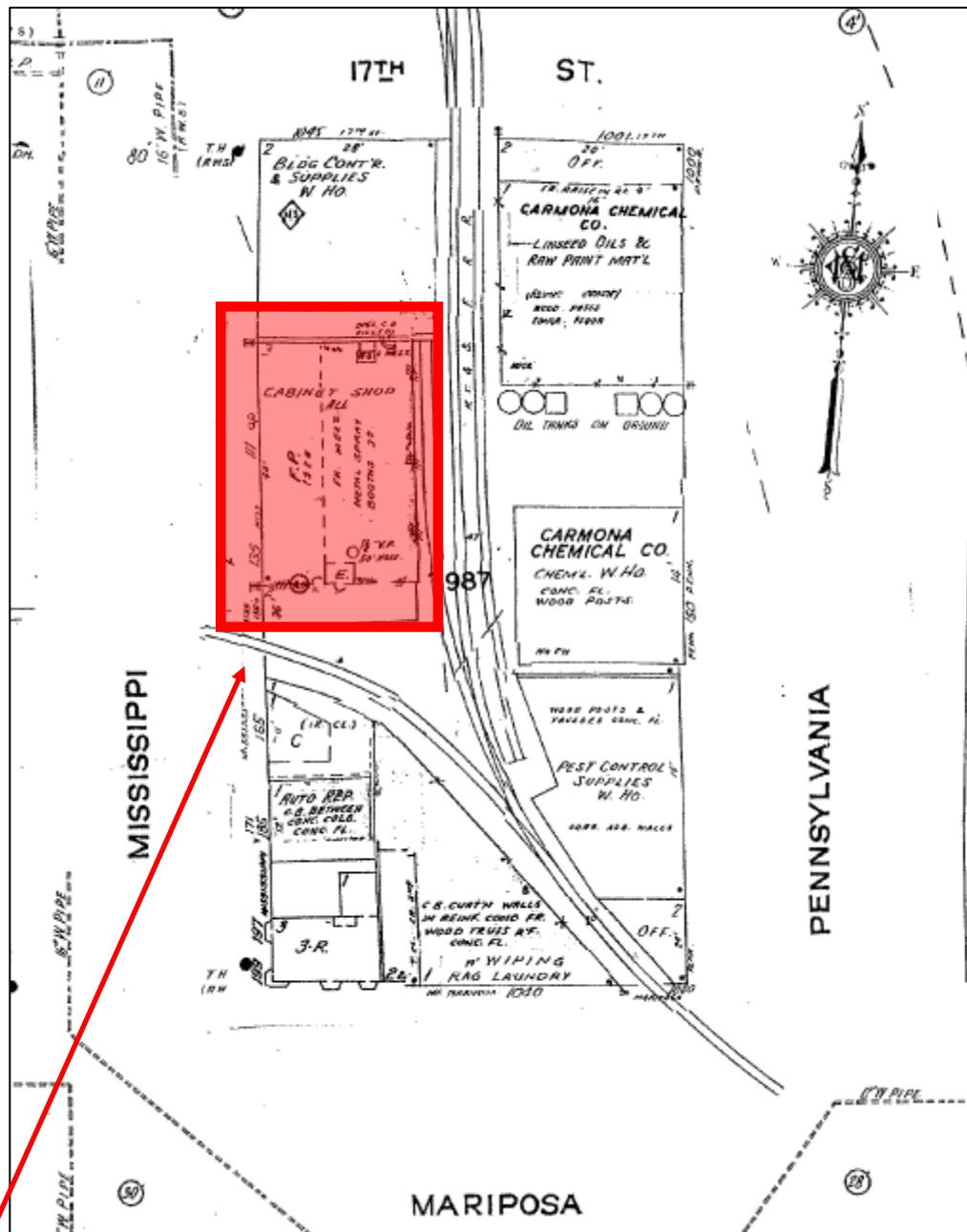
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Executive Summary   | <input checked="" type="checkbox"/> Project sponsor submittal    |
| <input checked="" type="checkbox"/> Draft Motion        | Drawings: <u>Existing Conditions</u>                             |
| <input type="checkbox"/> Environmental Determination    | <input checked="" type="checkbox"/> Check for legibility         |
| <input checked="" type="checkbox"/> Zoning District Map | Drawings: <u>Proposed Project</u>                                |
| <input checked="" type="checkbox"/> Height & Bulk Map   | <input checked="" type="checkbox"/> Check for legibility         |
| <input checked="" type="checkbox"/> Parcel Map          | <input type="checkbox"/> Letters of Project Support / Opposition |
| <input checked="" type="checkbox"/> Sanborn Map         |  |
| <input checked="" type="checkbox"/> Aerial Photo        |  |
| <input checked="" type="checkbox"/> Context Photos      |  |
| <input checked="" type="checkbox"/> Site Photos         |  |

Exhibits above marked with an "X" are included in this packet

\_\_\_\_\_  
Planner's Initials



# 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 Hearing  
Case Number 2009.0559C  
Wireless Transmission Facility  
135 Mississippi Street



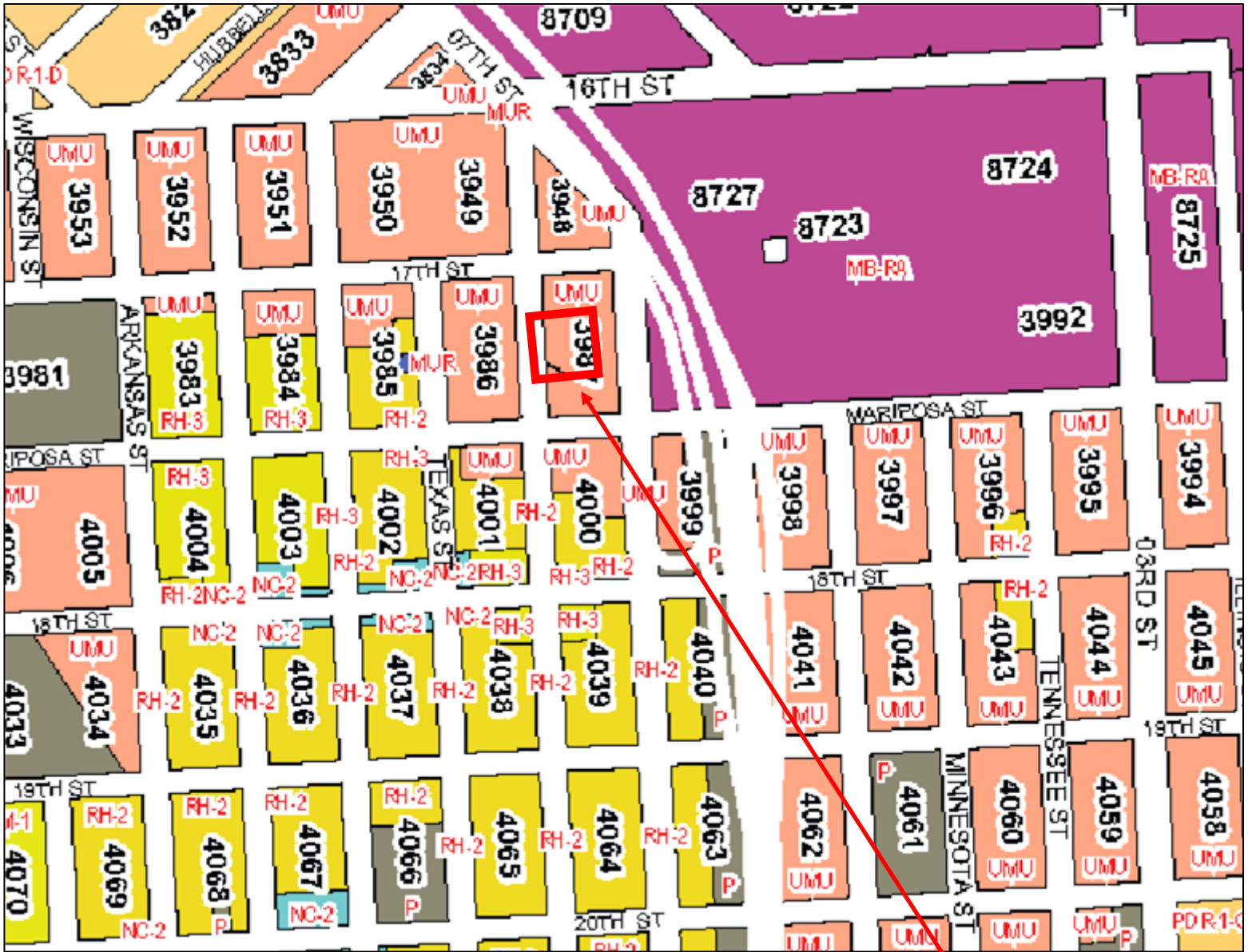
# Aerial Photo



SUBJECT PROPERTY

Conditional Use Hearing  
Case Number 2009.0559C  
Wireless Transmission Facility  
135 Mississippi Street

# Zoning Map



**SUBJECT PROPERTY**

Conditional Use Hearing  
Case Number 2009.0559C  
Wireless Transmission Facility  
135 Mississippi Street



# Height & Bulk Map



## HEIGHT AND BULK DISTRICTS

OS ← "Open Space" District

"Numbers" are Height Limits in feet. See Planning Code Section 250 and following.

"Letters" refer to Bulk Limits. See Planning Code Section 270.

00-Z-1 ← "Suffix Numbers" identify districts in which special regulations apply. See Planning Code Sections 263 and following.



SUBJECT PROPERTY

Conditional Use Hearing  
 Case Number 2009.0559C  
 Wireless Transmission Facility  
 135 Mississippi Street

# Site Photo



Conditional Use Hearing  
Case Number 2009.0559C  
Wireless Transmission Facility  
135 Mississippi Street



**Review of Cellular Antenna Site Proposals**

**Project Sponsor:** T-Mobile **Planner:** Sharon Lai

**RF Engineer Consultant:** Bill Hammett, Hammett & Edison **Phone number** 707-996-5200

**Project Address/Location:** 135 Mississippi Street. (#SF53450)

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)

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)

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)

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)

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).

X 7. Preferred method of attachment of proposed antenna (roof, wall mounted, monopole) with plot or roof plan. Show directionality of antennas. Indicate height above roof level. Discuss nearby inhabited buildings (particularly in direction of antennas) (WTS-FSG, Section 10.41d)

X 8. Report estimated ambient radio frequency fields for the proposed site (identify the three-dimensional perimeter where the FCC standards are exceeded.) (WTS-FSG, Section 10.5) State FCC standard utilized and power density exposure level (i.e. 1986 NCRP, 200  $\mu\text{w}/\text{cm}^2$ )

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.

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 existing wireless telecommunications facilities located at this site. T-Mobile proposes to install four Andrew Model TMZXXX-6516-R2M antennas. The antennas would be mounted approximately 53 feet above ground level. The estimated ambient RF field from the proposed T-Mobile transmitters at ground level is calculated to be 0.0029 mW/sq. cm., which is .29% of the FCC public exposure limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is expected to extend 8 feet and is not expected to be exceeded at any publicly accessible areas. Exclusions zones shall be marked with yellow paint on the roof extending out 8 feet in front of the antennas. Warning signs shall be placed in front of the antennas. Warning signs must be in English, Spanish and Chinese. Worker should not have access within 2 feet of the front of the antennas while they are in operation.*

   **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

  \$167.00 Charges to Project Sponsor (in addition to previous charges, to be received at time of receipt by Sponsor)

Signed Patrick Fosdahl Digitally signed by Patrick Fosdahl  
DN: cn=Patrick Fosdahl, o=SFDPH,  
ou=Environmental Health, email=patrick.  
fosdahl@sfdph.org, c=US  
Date: 2009.08.18 08:30:03 -0700 Date August 18, 2009

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

**T-Mobile • Proposed Base Station (Site No. SF53450)  
135 Mississippi 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 T-Mobile, a personal wireless telecommunications carrier, to evaluate the base station (Site No. SF53450) proposed to be located at 135 Mississippi 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 WTS facilities with prevailing safety standards. The acceptable limits set by the FCC for exposures of unlimited duration are:

<u>Personal Wireless Service</u>	<u>Approx. Frequency</u>	<u>Occupational Limit</u>	<u>Public Limit</u>
Broadband Radio (“BRS”)	2,600 MHz	5.00 mW/cm <sup>2</sup>	1.00 mW/cm <sup>2</sup>
Advanced Wireless (“AWS”)	2,100	5.00	1.00
Personal Communication (“PCS”)	1,950	5.00	1.00
Cellular Telephone	870	2.90	0.58
Specialized Mobile Radio (“SMR”)	855	2.85	0.57
Long Term Evolution (“LTE”)	700	2.33	0.47
[most restrictive frequency range]	30–300	1.00	0.20

Areas near the site were visited during normal business hours by Mr. Robert W. Hammett, a qualified employee of Hammett & Edison, Inc., on June 18, 2009, a non-holiday weekday, and reference has been made to information provided by T-Mobile, including drawings by Streamline Engineering and Design, Inc., dated June 9, 2009.

**Checklist**

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

There were noted no existing wireless telecommunications facilities located near the site. Existing RF levels at ground near the site measured 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 yet 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 proposed site.





**T-Mobile • Proposed Base Station (Site No. SF53450)  
135 Mississippi 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.

It is proposed to mount four Andrew Model TMZXXX-6516-R2M directional panel antennas behind view screens to be located on the face of the existing mechanical equipment penthouse above the roof of the four-story office building located at 135 Mississippi Street in San Francisco. The antennas would be mounted at an effective height of about 53 feet above ground level, 8<sup>1</sup>/<sub>2</sub> feet above the roof, and would be oriented towards 40°T, 160°T, 220°T, and 285°T. There were noted no other wireless telecommunications base stations at the site.

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

The maximum rating of the T-Mobile transmitters is 22 watts. The actual operating power of the transmitters will depend upon the system losses encountered after the physical cabling runs have been installed; the transmitters may operate at a power less than their maximum rating, such that the total power radiated from the antennas does not exceed the level given in Item 6 below.

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

The maximum effective radiated power in any direction for T-Mobile would be 1,170 watts, representing the simultaneous operation of two channels at 585 watts each.

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

The proposed antennas are to be mounted on the building as described in Item 4 above. There were noted no taller buildings located nearby.

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 ambient RF exposure level due to the proposed T-Mobile operation is calculated to be 0.0029 mW/cm<sup>2</sup>, which is 0.29% of the applicable public exposure limit. The maximum calculated level at any nearby building would be 0.70% of the public limit. The three-dimensional perimeter it is calculated to extend about 8 feet directly in front of the T-Mobile antennas and to much lesser distances behind, below, above, and to the sides of the antennas; this does not reach any publicly accessible areas. Levels may exceed the applicable exposure limit on the roof in front of the antennas.

**T-Mobile • Proposed Base Station (Site No. SF53450)  
135 Mississippi Street • San Francisco, California**

9. Describe proposed signage at site.

Due to their mounting location, the T-Mobile 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 2 feet directly in front of the T-Mobile antennas themselves, such as might occur during maintenance work on the building, should be allowed while the base station is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Marking "exclusion zones" with yellow paint on the roof out to 8 feet in front of the antennas, and posting explanatory warning signs\* at roof access locations and on the screens 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.

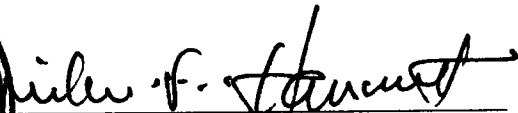
The undersigned author of this statement is a qualified Professional Engineer, holding California Registrations Nos. E-13026 and M-20676, which expire on June 30, 2011. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

**Conclusion**

Based on the information and analysis above, it is my professional opinion that the proposed T-Mobile base station operation at 135 Mississippi Street in San Francisco can comply with the prevailing standards for limiting human exposure to radio frequency energy and, therefore, need not for this reason cause a significant impact on the environment.

June 25, 2009



  
William F. Hammett, P.E.

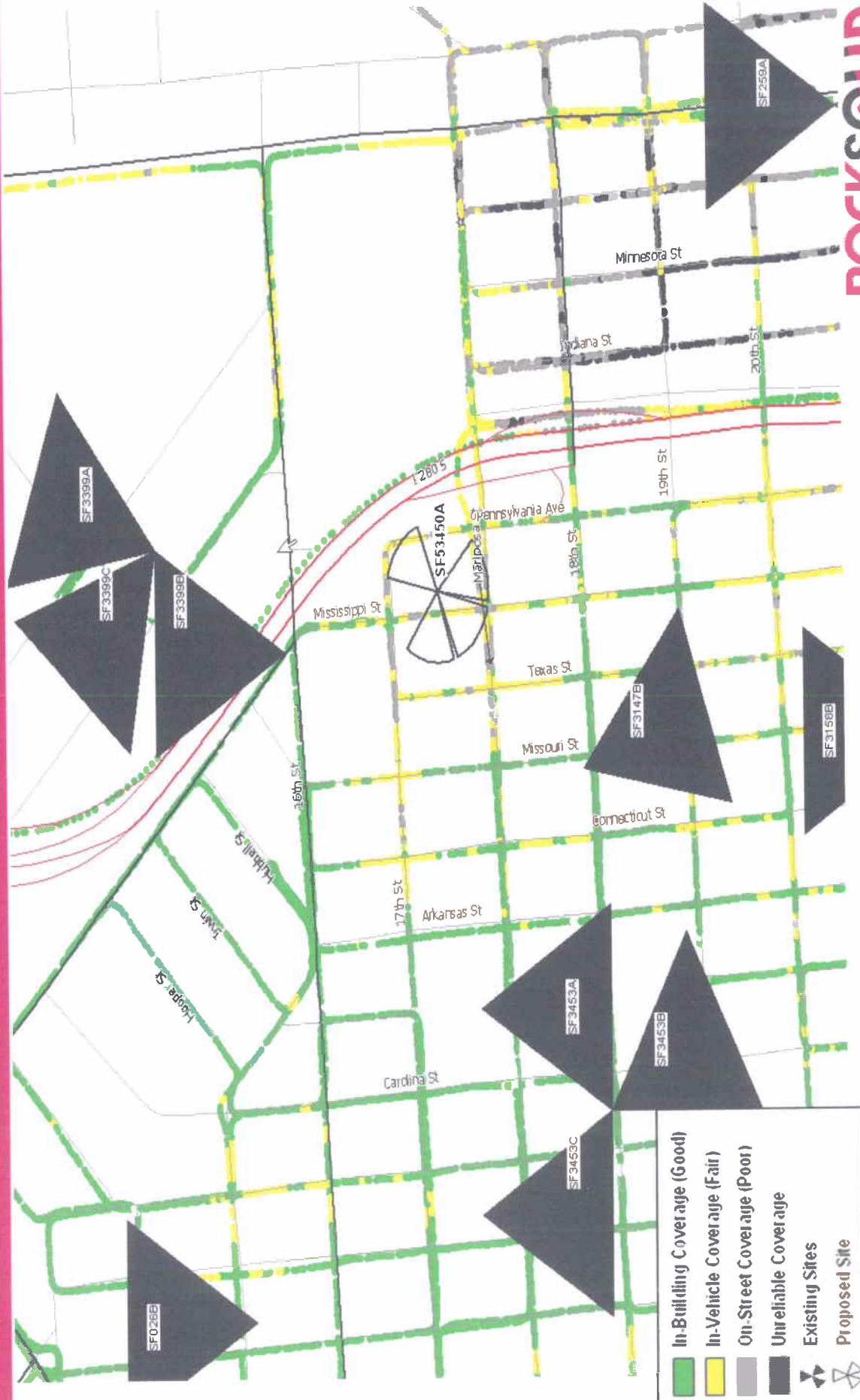
\* Warning signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (e.g., a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter, and guidance from the landlord, local zoning or health authority, or appropriate professionals may be required.





**T-Mobile**

Existing Coverage

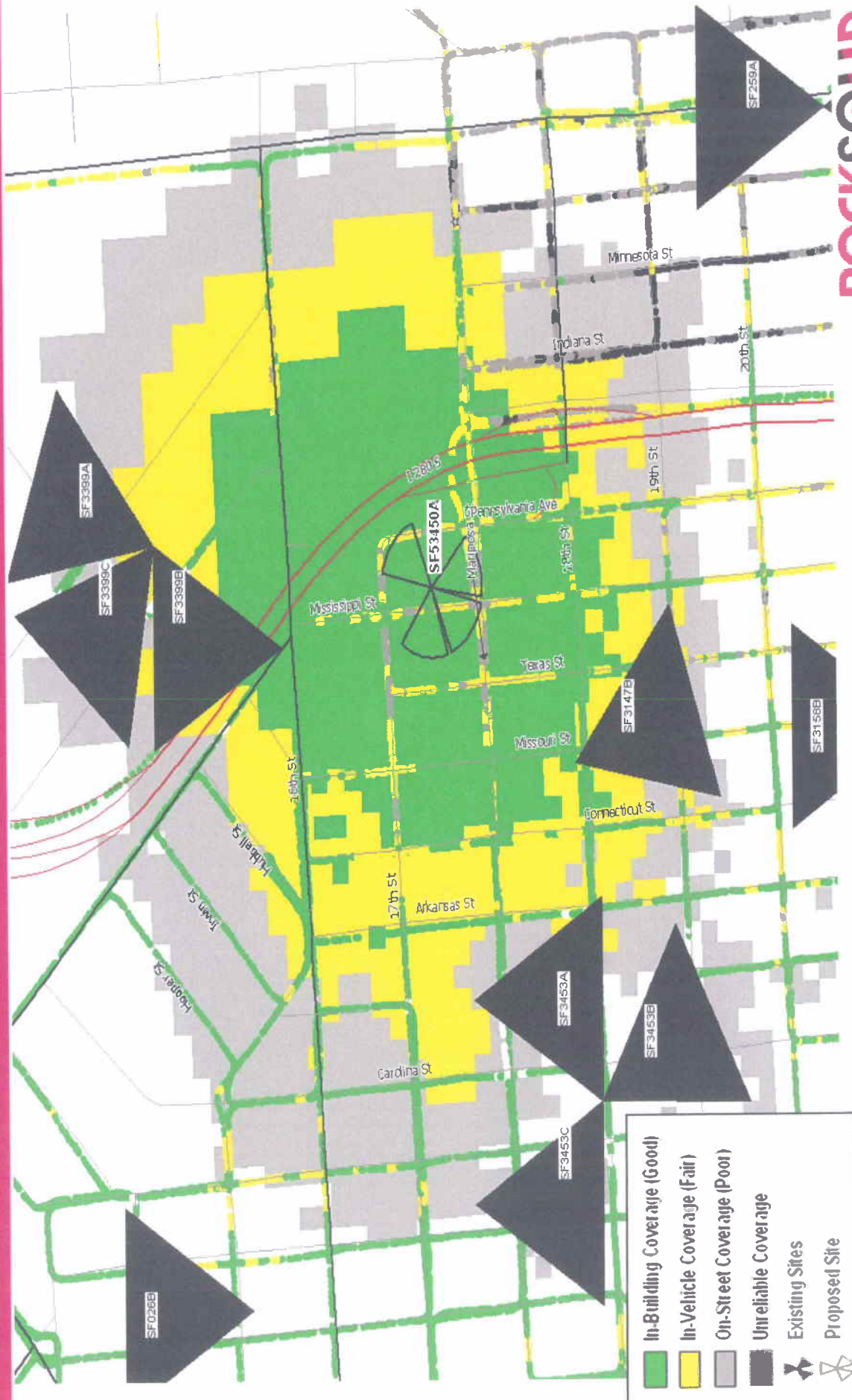


**ROCKSOLID**  
COVERAGE

	In-Building Coverage (Good)
	In-Vehicle Coverage (Fair)
	On-Street Coverage (Poor)
	Unreliable Coverage
	Existing Sites
	Proposed Site



# T-Mobile Coverage with Proposed Site



**ROCKSOLID**  
COVERAGE

- In-Building Coverage (Good)
- In-Vehicle Coverage (Fair)
- On-Street Coverage (Poor)
- Unreliable Coverage
- Existing Sites
- Proposed Site

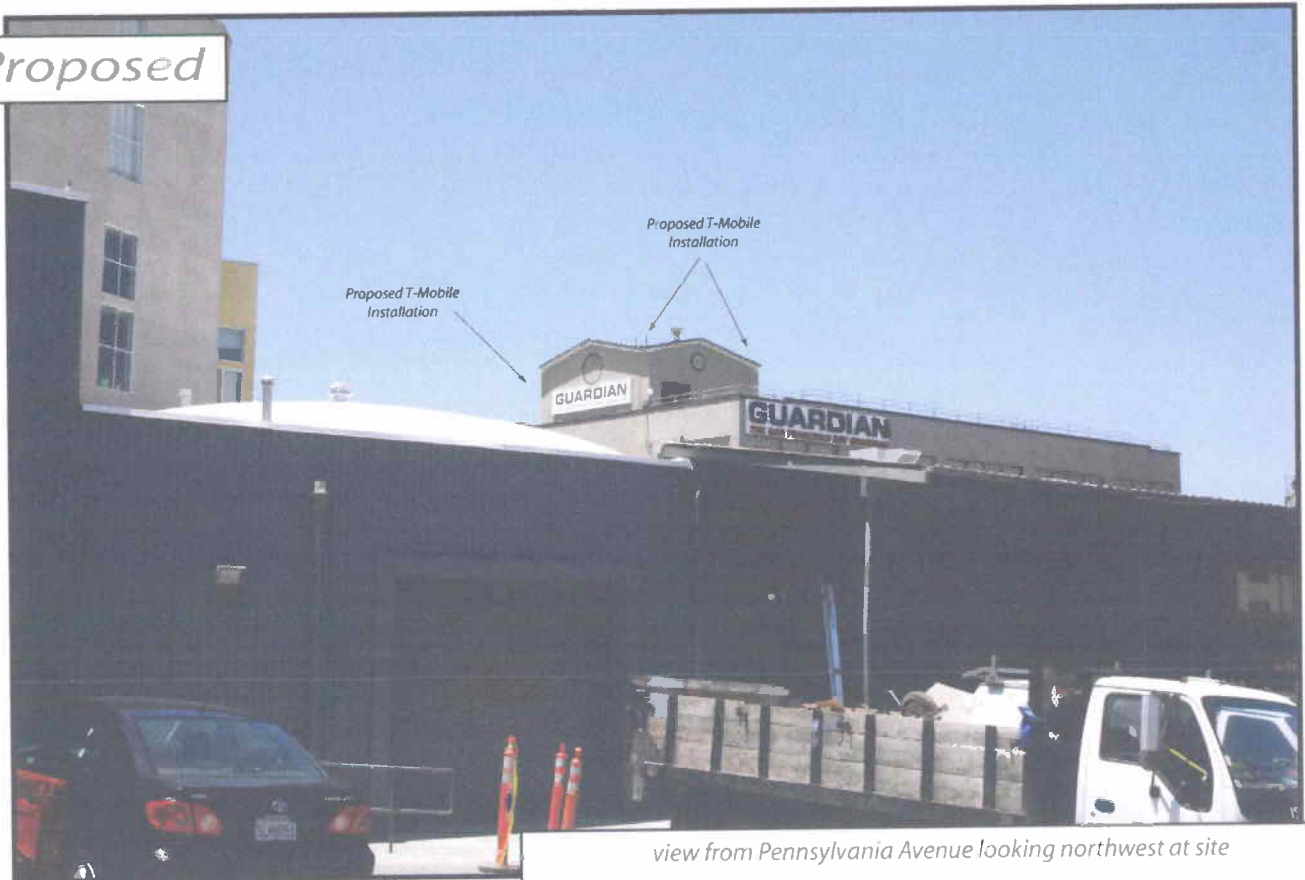


09.0559 G

Existing



Proposed



view from Pennsylvania Avenue looking northwest at site



Existing



Proposed



view from Mississippi Street looking north at site



*Existing*



*close up view*

*Proposed*



Proposed T-Mobile Equipment



*close up view*

*view from Mississippi Street looking south at site*





# SAN FRANCISCO PLANNING DEPARTMENT

Subject to: (Select only if applicable)

- Inclusionary Housing (Sec. 315)
- Jobs Housing Linkage Program (Sec. 313)
- Downtown Park Fee (Sec. 139)
- First Source Hiring (Admin. Code)
- Child Care Requirement (Sec. 314)
- Other

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## Planning Commission Motion

HEARING DATE: MARCH 25, 2010

*Date:* March 18, 2010  
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*Project Address:* **135 Mississippi Street**  
*Current Zoning:* UMU (Urban Mixed Use) District  
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 San Francisco, CA 94114  
*Staff Contact:* Diego R Sánchez – (415) 575-9082  
[diego.sanchez@sfgov.org](mailto:diego.sanchez@sfgov.org)

**ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTIONS 843.93 AND 303 TO INSTALL A WIRELESS TRANSMISSION FACILITY CONSISTING OF FOUR PANEL ANTENNAS ON THE ELEVATOR PENTHOUSE OF AN EXISTING FOUR STORY STRUCTURE AS PART OF THE T-MOBILE WIRELESS TELECOMMUNICATIONS NETWORK WITHIN THE UMU (URBAN MIXED USE) DISTRICT AND A 40-X HEIGHT AND BULK DISTRICT.**

### PREAMBLE

On June 25, 2009, Joe Camicia (hereinafter "project sponsor"), made an application (hereinafter "application"), for Conditional Use authorization on the property at 135 Mississippi Street, Lot 007 in Assessor's Block 3987, (hereinafter "project site") to install a wireless transmission facility consisting of four panel antennas on the elevator penthouse of an existing four story structure as part of the T-Mobile wireless telecommunications network within the Urban Mixed Use (UMU) District and a 40-X Height and Bulk District.

The proposed project was determined by the San Francisco Public Utilities Commission's Bureau of Environmental and Regulatory Management to be categorically exempt from the environmental review process pursuant to Class 3 exemptions of Title 14 of the California Administrative Code. The Commission has reviewed and concurs with said determination. The categorical exemption and all pertinent documents may be found in the files of the Planning Department, as the custodian of records, at 1650 Mission Street, San Francisco.

The proposed project as approved herein is consistent with the project description contained in the categorical exemption and would not result in significant impacts not identified in the categorical exemption or cause significant effects already identified in the categorically exemption to be substantially more severe.

On March 25, 2010, the Commission conducted a duly noticed public hearing at a regularly scheduled meeting on the application for a Conditional Use.

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. 2009.0599C, 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 east side Mississippi Street, between 17th Street and Mariposa Street, lot 007 of Assessor's Block 3987. The lot is approximately 9,500 square feet in area. An existing four story industrial building encompasses the lot. The site is used for office and/or light industrial uses, including the publication of an independently owned weekly newspaper.
3. **Surrounding Properties and Neighborhood.** The subject property is located at the northeastern end of the Potrero Hill neighborhood, within an area used for light industrial, associated office uses and residences. To the south of the subject property are industrially used properties, including an automobile repair shop. Immediately across from the subject property to the west are one and two story industrial properties. To the north of the site is another industrially used property. Behind the subject property, to the east, are buildings used for light industrial uses and for office uses associated with those activities. Residential properties are also found in the vicinity of the building including multi-family buildings to the south, southeast and northeast of the subject property. Other residential properties are found on subsequent blocks to the north, south and west of the subject property.

UMU (Urban Mixed Use) Zoning districts surround the subject property in all directions. RH-2 (Residential, House, Two Family) and RH-3 (Residential, House Three Family) districts are found to the west and south at approximately one and one half to two block distances from the subject property. To east the subject property is bounded by Interstate 280 and further still, the Mission Bay Redevelopment Area. Overall, the site is located within an immediate area that is used for industrial, office and residential purposes.

4. **Proposal.** The proposal is to install four wireless panel antennas on the elevator penthouse of an existing four story industrial building and four equipment cabinets and one GPS antenna on the side of a rooftop mechanical equipment installation. The antennas would be mounted approximately 50 feet above the street frontage on the roof the subject property. Each antenna is approximately 1 ½ feet wide, 5 feet high and ¼ foot in depth. The addition of these antennas is intended to assist in the maintenance and expansion of the T-Mobile wireless telecommunications network within the southeast sector of the City of San Francisco.
5. **Past History and Actions.** The Planning Commission held a duly advertised public hearing on August 15, 1996 to consider adoption of guidelines for the siting of WTS facilities in San Francisco which would include standard conditions of approval for wireless communications facilities which are regulated by the FCC and required to meet the health and safety standards.

The Planning Commission, by Resolution No. 14182, adopted the proposed WTS Facilities Siting Guidelines on August 15, 1996. The sample conditions of approval presented in the Guidelines form the basis for the development of conditions of approval for this Application and Motion.

6. **Location Preference.** The WTS Facilities Siting Guidelines identify different types of buildings for the siting of wireless transmission facilities, with Location Preference 1 being the most desirable location and Location Preference 7 being the least desirable location. Under the Guidelines, the project is a Location Preference Number 4, Industrial /Commercial Structure and as such is a Preferred Location Site.
7. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network will transmit calls by radio waves operating in the 700 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.
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. 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 existing RF levels at ground level near the site for the T-Mobile proposal were less than 1% of the most restrictive public exposure limit. T-Mobile is proposing to install four Andrew Model TMZXXX-6516-R2M antennas. The estimated ambient RF field from the proposed transmitters at ground level is calculated to be 0.0029 mW/cm<sup>2</sup>, which is 0.29% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit does not reach any public accessible locations. Due to the proposed mounting locations of the antennas, they will not be accessible to the general public. Warning signs must be posted on the bottom of the tower in English, Spanish, and Chinese.



10. **Maintenance Schedule.** Maintenance visits would occur once each month, conducted by T-Mobile maintenance employees, generally of two workers. During service-affecting situations, such as loss of power for more than four hours, additional visits would occur.
11. **Community Outreach.** A Community Outreach Meeting was conducted for the proposed project. The meeting was held from 6:30 P.M. to 7:30 P.M. on Wednesday, December 9, 2009, at Potrero Hill Neighborhood House located at 953 De Haro Street, San Francisco, CA 94107.
12. **Five-year plan:** T-Mobile submitted its latest five-year plan, as required, in October 2009.
13. **Public Comment.** The Department has received multiple telephone calls and one email message since the filing of the application as of the date of this motion. The public input surrounds a concern about the safety of the proposed project given the radiation produced by such a project.
14. **Planning Code Compliance.** The Commission finds that the Project is consistent with the relevant provisions of the amendments to Planning Code in the following manner:

- A. **Use.** Per Planning Code Section 843.93, a Conditional Use is required for all commercial wireless transmission facilities.

*The project is proposing a wireless transmission facility and is requesting Conditional Use authorization.*

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.

*The proposed project will be generally desirable and compatible with the surrounding neighborhood because the project will not conflict with the existing uses of the property and will be of such size and nature to be compatible with the surrounding industrial nature of the vicinity. The approval of this authorization has been found, first and foremost, to ensure public safety, and ensure that the placement of antennas are so located and designed so as to be in harmony with the character of the immediate area. The proposed project will also provide necessary facilities for emergency transmission and improved communication for the neighborhood, community and region.*

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

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

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

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

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

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

*No increase in traffic volume is anticipated.*

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

*Noise or noxious emissions from this 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 installation of antennas on the existing four story structure will not affect the existing landscaping, open spaces, parking and loading areas, service areas or signs.*

- 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.*

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

## COMMERCE AND INDUSTRY ELEMENT

### Objectives and Policies

#### OBJECTIVE 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 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 wireless communications network that will enhance the City's diverse economic base.*

#### OBJECTIVE 4:

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

##### Policy 1:

Maintain and enhance a favorable business climate in the City.

##### Policy 2:

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

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

## COMMUNITY SAFETY ELEMENT

### Objectives and Policies

#### OBJECTIVE 3:

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

#### Policy 1:

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

#### Policy 2:

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

#### Policy 3:

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

#### Policy 4:

Establish and maintain an adequate Emergency Operations Center.

#### Policy 5:

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

#### Policy 6:

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

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

17. **Planning Code Section 101.1(b)** establishes eight priority-planning policies and requires review of permits for consistency with said policies. On balance, the project does comply with said policies in that:
  - A. That existing neighborhood-serving retail uses be preserved and enhanced and future opportunities for resident employment in and ownership of such businesses be enhanced.

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

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

*No residential uses would be displaced as the proposed project is wholly commercial in nature and is an addition to a site that currently is wholly commercial in nature.*

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

*The project would have no adverse impact on affordable 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.

*No landmarks or historic buildings would be affected by the project.*

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

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

18. The Project is consistent with and would promote the general and specific purposes of the Code provided under Section 101.1(b) in that, as designed, the Project would contribute to the character and stability of the neighborhood and would constitute a beneficial development.



19. The Commission hereby finds that approval of the Determination of Compliance authorization would promote the health, safety and welfare of the City.

**DECISION**

The Commission, after carefully balancing the competing public and private interests, and based upon the Recitals and Findings set forth above, in accordance with the standards specified in the Code, hereby approves the Conditional Use authorization under Planning Code Sections 303 and 843.93 to install a wireless transmission facility consisting of four panel antennas with a Location Preference #4, (Industrial/Commercial Structure) on the elevator penthouse of an existing four story structure as part of the T-Mobile wireless telecommunications network within an UMU (Urban Mixed Use) District and a 40-X Height and Bulk District and subject to the conditions of approval attached hereto as **Exhibit A**.

**APPEAL AND EFFECTIVE DATE OF MOTION: Any aggrieved person may appeal this conditional use authorization to the Board of Supervisors within thirty (30) days after the date of this Motion No XXXXX. 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 **March 25, 2010**.

---

Linda D Avery  
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: March 25, 2010

## Exhibit A

# Conditions of Approval

Whenever "Project Sponsor" is used in the following conditions, the conditions shall also bind any successor to the Project or other persons having an interest in the Project or underlying property.

### General Conditions

1. This approval is for Conditional Use authorization under Planning Code Sections 303 and 843.93 to install a wireless transmission facility with a Location Preference #4, (Industrial/Commercial Structure) consisting of four panel antennas on the elevator penthouse of an existing four story structure as part of the T-Mobile wireless telecommunications network within the UMU (Urban Mixed Use) District and a 40-X Height and Bulk District.
2. The Project approved by this Motion is in general conformity with the plans dated June 23, 2009, on file with the Department in the docket for Case No. 2009.0599C (labeled EXHIBIT B), reviewed and approved by the Commission on March 25, 2010.

### Design

3. The final plans shall meet the standards of the Planning Code and be in general conformity with the plans approved by the Commission on March 25, 2010. as Exhibit B found in the Case docket.
4. 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:
  - 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.

### Performance

5. Project Implementation Report. 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. 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 week day with the subject equipment measured while operating at maximum power.
  - d. 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.
6. Notification and Testing. The Project Implementation Report shall set forth the testing and measurements undertaken pursuant to Conditions 4 and 13.
7. 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.
8. Notification prior to Project Implementation Report. The Project Sponsor shall undertake to inform and perform appropriate tests for residents of any dwelling units located within 25 feet of the transmitting antennae 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.
9. Community Liaison. Within 10 days of the effective date of this authorization, the Project Sponsor shall appoint a community liaison officer to resolve issues of concern to neighbors and residents relating to the construction and operation of the facilities. Upon appointment, the

Project Sponsor shall report in writing the name, address and telephone number of this officer to the Zoning Administrator. The Community Liaison Officer 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.

10. Installation. 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.
11. Screening.
  - a. To the extent necessary to ensure compliance with adopted FCC regulations regarding human exposure to RF emissions, and upon the recommendation of the Zoning Administrator, the Project Sponsor shall:
    - i. Modify the placement of the facilities;
    - ii. Install fencing, barriers or other appropriate structures or devices to restrict access to the facilities;
    - iii. 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; or
    - iv. Implement any other practice reasonably necessary to ensure that the facility is operated in compliance with adopted FCC RF emission standards.
  - b. To the extent necessary to minimize visual obtrusion and clutter, installations shall conform to the following standards:
    - i. Antennas and back-up equipment shall be painted, fenced, landscaped or otherwise treated architecturally so as to minimize visual impacts;
    - ii. Rooftop installations shall be setback such that back-up facilities are not viewed from the street;
    - iii. Antennae attached to building facades shall be so placed, screened or otherwise treated to minimize any negative visual impact; and
    - iv. 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.
12. The Project Sponsor or Property Owner shall remove antennae and equipment that has been out of service for a continuous period of six months.
13. Periodic Safety Monitoring. 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



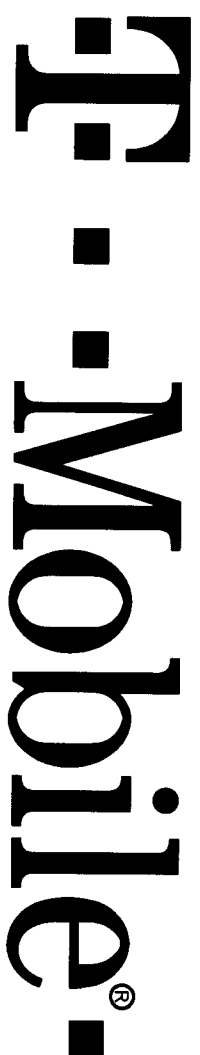
a licensed engineer expert in the field of EMR/RF emissions, that the facilities are and have been operated within the then current applicable FCC standards for RF/EMF emissions.

14. Emissions Conditions. 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.
15. Noise and Heat. The WTS facility, including power source and cooling facility, shall be operated at all times within the limits of the San Francisco Noise Ordinance. The WTS facility, including power source and cooling facility, shall not be operated so as to cause the generation of heat that adversely affects a building occupant.
16. Implementation and Monitoring Costs.
  - 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 the monitoring of the conditions of approval contained in this authorization, including costs incurred by this Department, the Department of Public Health, the Department of Electricity and Telecommunications, Office of the City Attorney, or any other appropriate City Department or agency pursuant to Planning Code Section 351(f)(2). 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.
17. All Conditions Basis for Revocation. The Project Sponsor or its successors shall comply fully with all conditions specified in this authorization. Failure to comply with any condition shall constitute grounds for revocation under the provisions of Planning Code Sections 174, 176 and 303(d). The Zoning Administrator shall schedule a public hearing before the Planning Commission to receive testimony and other evidence to demonstrate a finding of a violation of a condition of the authorization of the use of the facility and, finding that violation, the Commission shall revoke the Conditional Use authorization. Such revocation by the Planning Commission is appealable to the Board of Supervisors.

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.

18. Complaints and Proceedings. Should any party complain to the Project Sponsor about the installation or operation of the facilities, which complaints are not resolved by the Project Sponsor, the Project Sponsor (or its appointed agent) shall advise the Zoning Administrator of the complaint and the failure to satisfactorily resolve such complaint. If the Zoning Administrator thereafter finds a violation of any provision of the Planning Code and/or any condition of approval herein, the Zoning Administrator shall attempt to resolve such violation on an expedited basis with the Project Sponsor. If such efforts fail, the Zoning Administrator shall refer such complaints to the Commission for consideration at the next regularly scheduled public meeting.
19. Severability. 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 of the remaining provisions, clauses, sentences, or sections of these conditions. It is hereby declared to be the intent of the Commission that these conditions of approval would have been adopted had such invalid sentence, clause, or section or part thereof not been included herein.
20. Transfer of Operation. 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, and the authorizing Motion is recorded on the deed of the property stating the new carrier/provider and authorizing conditions of approval.
21. Compatibility with City Emergency Services. The facility shall not be operated, nor 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.

T-MOBILE WEST CORPORATION



1855 GATEWAY BLVD 9TH FLOOR  
CONCORD, CA 94520

BAY GUARDIAN

SF53450A

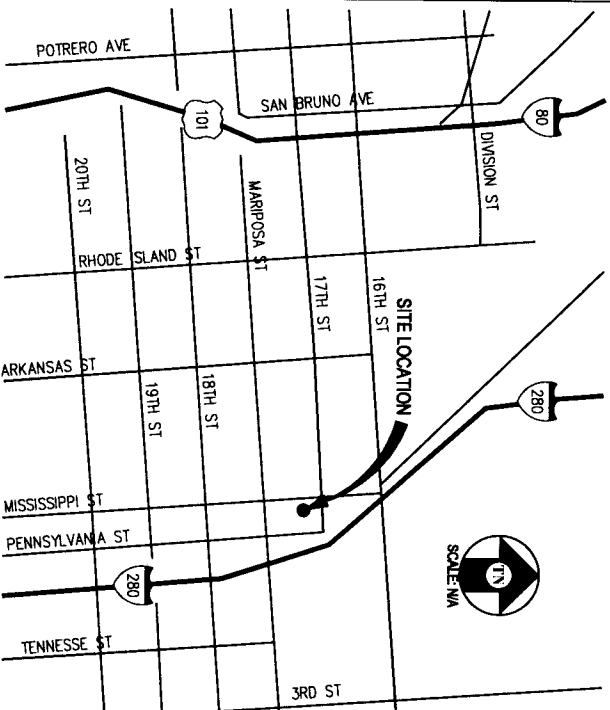
PROJECT DESCRIPTION

A (N) UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF A (P) LEASE AREA W/ (4) (P) 2106 BTS CABINETS, (1) BBU CABINET MOUNTED ON THE ROOF & (4) (P) FRP BOXES MOUNTED TO AN (E) PARAPET W/ (4) (P) ANTENNAS

PROJECT INFORMATION

SITE NAME: BAY GUARDIAN SITE #: SF53450A  
 COUNTY: SAN FRANCISCO JURISDICTION: CITY OF SAN FRANCISCO  
 APN: 3987-007 POWER: PG&E  
 SITE ADDRESS: 135 MISSISSIPPI ST TELEPHONE: AT&T  
 SAN FRANCISCO, CA 94107  
 CURRENT ZONING: UMU (URBAN MIXED USE)  
 CONSTRUCTION TYPE: IV  
 OCCUPANCY TYPE: U  
 PROPERTY OWNER: DAN BRUGSMAN  
 135 MISSISSIPPI ST  
 SAN FRANCISCO, CA 94107  
 (415) 487-2553  
 APPLICANT: T-MOBILE  
 1855 GATEWAY BLVD 9TH FLOOR  
 CONCORD, CA 94520-3200  
 LEASING CONTACT: A/TN: CHRISTINE CASEY  
 PERMIT ME INC  
 3850 23RD STREET  
 SAN FRANCISCO, CA 94114  
 (415) 806-8750  
 ZONING CONTACT: A/TN: JOE CAMACHA  
 PERMIT ME INC  
 3850 23RD STREET  
 SAN FRANCISCO, CA 94114  
 (415) 722-1183  
 CONSTRUCTION CONTACT: A/TN: KRESTON HAYNES  
 SITE SERVICES LLC  
 100 TOWER ROAD  
 AMERICAN CANYON, CA 94503  
 (209) 938-7251  
 LATITUDE: N 37° 45' 53.14" NAD 83  
 LONGITUDE: W 122° 23' 40.35" NAD 83  
 AMSL: ±33.1'

VICINITY MAP



DRIVING DIRECTIONS

- FROM: 1855 GATEWAY BLVD, CONCORD, CA 94520-3200  
 TO: 135 MISSISSIPPI ST SAN FRANCISCO, CA 94107-2536
- START OUT GOING SOUTHEAST ON GATEWAY BLVD
  - TURN SLIGHT RIGHT ONTO CLAYTON RD
  - MERGE ONTO CA-242 S
  - MERGE ONTO I-680 S VIA THE EXIT ON THE LEFT TOWARD OAKLAND/SAN JOSE
  - MERGE ONTO CA-24 W TOWARD OAKLAND/LAFAYETTE
  - MERGE ONTO I-580 W TOWARD SAN FRANCISCO
  - MERGE ONTO I-80 W VIA THE EXIT ON THE LEFT TOWARD SAN FRANCISCO
  - TAKE THE 5TH ST EXIT, EXIT 2A, ON THE LEFT TOWARD GOLDEN GATE BR/US-101 N
  - TURN LEFT ONTO HARRISON ST
  - TURN LEFT ONTO 6TH ST
  - MERGE ONTO I-280 S
  - TAKE THE MARIPOSA ST EXIT TOWARD 18TH ST
  - TAKE THE RAMP TOWARD MARIPOSA ST
  - TURN SLIGHT RIGHT ONTO PENNSYLVANIA AVE
  - TURN LEFT ONTO MARIPOSA ST
  - TURN RIGHT ONTO MISSISSIPPI ST
- END AT: 135 MISSISSIPPI ST SAN FRANCISCO, CA 94107-2536  
 ESTIMATED TIME: 36 MINUTES ESTIMATED DISTANCE: 29.06 MILES

CODE COMPLIANCE

ALL WORK & MATERIALS SHALL BE PERFORMED & 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 CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

- 2007 CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLES 24 & 25)
  - 2007 CALIFORNIA BUILDING CODE
  - 2007 CALIFORNIA ELECTRICAL CODE
  - 2007 CALIFORNIA MECHANICAL CODE
  - 2007 CALIFORNIA PLUMBING CODE
  - 2007 CITY OF SAN FRANCISCO FIRE CODE
  - LOCAL BUILDING CODES
  - CITY/COUNTY ORDINANCES
  - ANSI/ISA-TIA-222-F
- ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

HANDICAP REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE ADMINISTRATIVE CODE, TITLE 24 PART 2, SECTION 110953.4.2, EXCEPTION 1

SHEET INDEX

SHEET	DESCRIPTION	REV
T-1	TITLE SHEET	-
LS-1	SURVEY	-
A-1	SITE PLAN	-
A-2	EQUIPMENT PLAN & DETAIL	-
A-3	ANTENNA PLAN & DETAIL	-
A-4	ELEVATION	-
A-5	ELEVATION	-
A-6	ELEVATION	-

APPROVAL

RF	
LEASING	
ZONING	
CONSTRUCTION	
T-MOBILE	
RF MGR	

BAY GUARDIAN  
 SF53450A  
 135 MISSISSIPPI ST  
 SAN FRANCISCO, CA 94107

ISSUE STATUS

Δ	DATE	DESCRIPTION	BY
	06-15-09	2D 90%	-
	03-10-10	2D 100%	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

DRAWN BY: G. TIBBETT  
 CHECKED BY: C. MATHISEN  
 APPROVED BY: B. McCOMB  
 DATE: 03/10/10



11768 Atwood Rd, Suite 20 Auburn, CA 95603  
 Contact: Larry Houghtby Phone: 916-275-4180  
 E-Mail: larry@streamlineeng.com Fax: 530-823-8783

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T-MOBILE WEST CORPORATION



1855 GATEWAY BLVD 9TH FLOOR  
 CONCORD, CA 94520

SHEET TITLE:

TITLE

SHEET NUMBER:

T-1



**BAY GUARDIAN**  
 SF53450A  
 135 MISSISSIPPI ST  
 SAN FRANCISCO, CA 94107

ISSUE STATUS		
Δ DATE	DESCRIPTION	BY
06-15-09	2D 90%	-
03-10-10	2D 100%	-
-	-	-
-	-	-
-	-	-
-	-	-

DRAWN BY: G. THIBETT  
 CHECKED BY: C. MATHISEN  
 APPROVED BY: B. MCCOMB  
 DATE: 03/10/10

**Streamline Engineering and Design, Inc.**

11768 Atwood Rd, Suite 20 Auburn, CA 95603  
 Contact: Larry Houghtby Phone: 916-275-4180  
 E-Mail: larry@streamlineeng.com Fax: 530-823-8783

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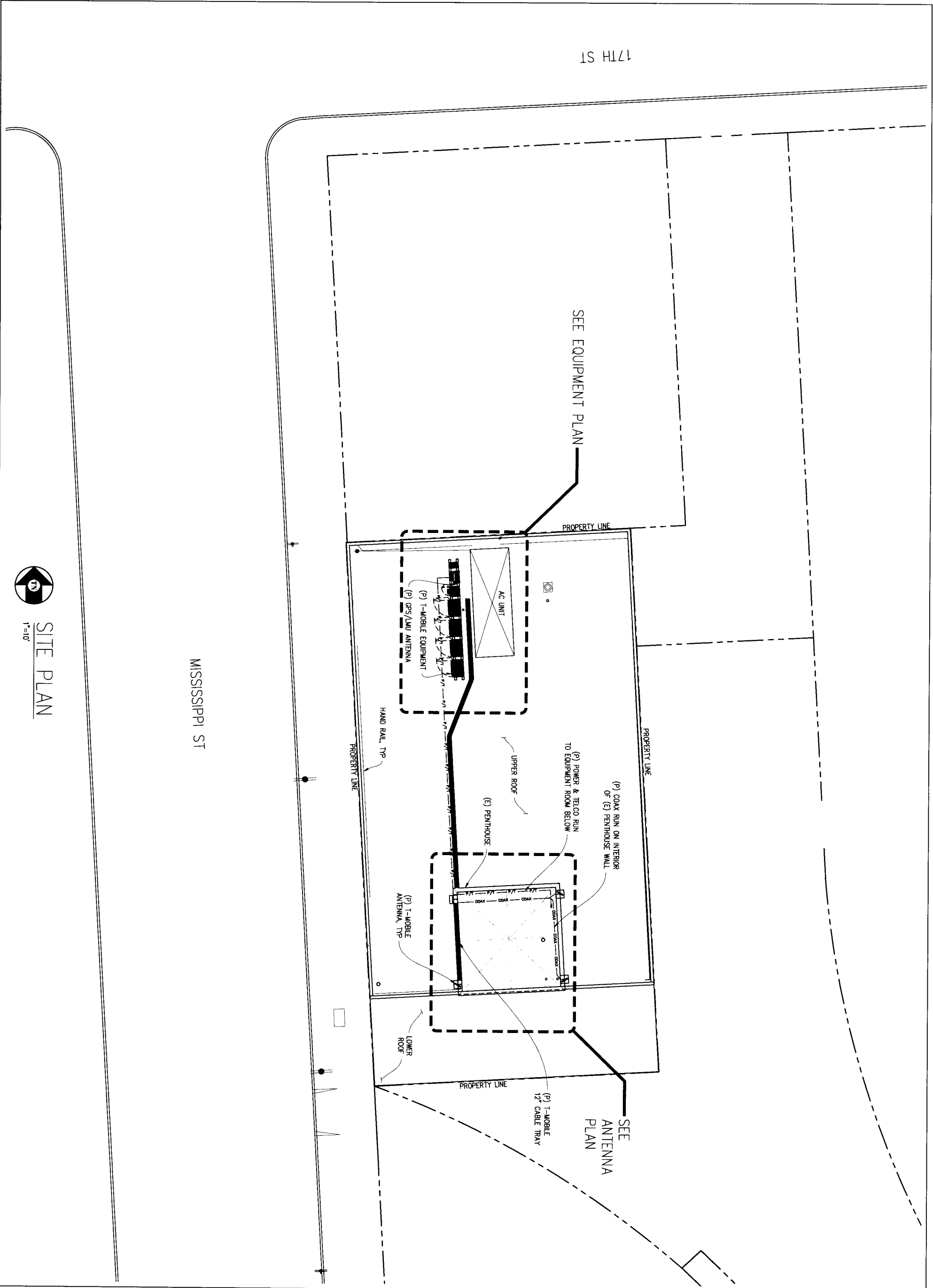
T-MOBILE WEST CORPORATION

**T-Mobile**

1855 GATEWAY BLVD 9TH FLOOR  
 CONCORD, CA 94520

SHEET TITLE:  
 SITE PLAN

SHEET NUMBER:  
 A-1



SITE PLAN  
 1"=10'

**BAY GUARDIAN**  
 SF53450A  
 135 MISSISSIPPI ST  
 SAN FRANCISCO, CA 94107

ISSUE STATUS	
Δ DATE	DESCRIPTION BY
06-15-09	ZD 90%
03-10-10	ZD 100%
-	-
-	-
-	-
-	-

DRAWN BY: G. TIBBETT  
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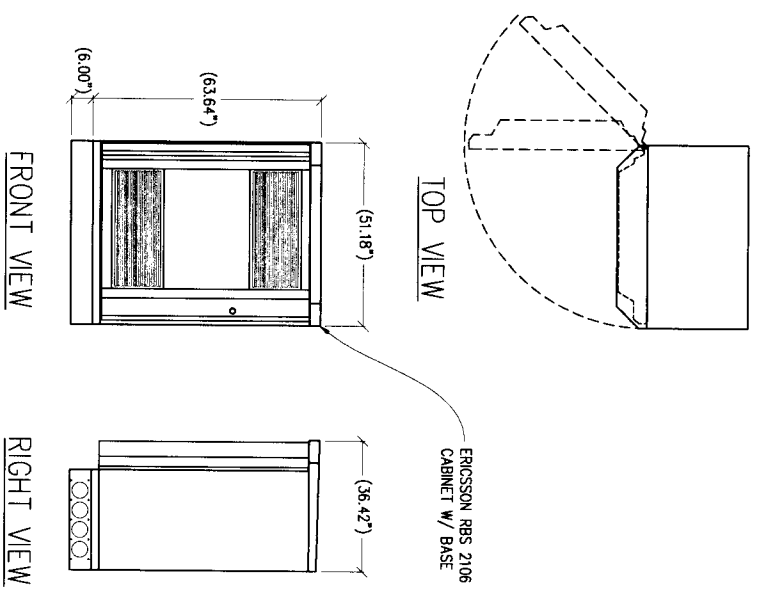
T-MOBILE WEST CORPORATION

**T-Mobile**

1855 GATEWAY BLVD 9TH FLOOR  
 CONCORD, CA 94520

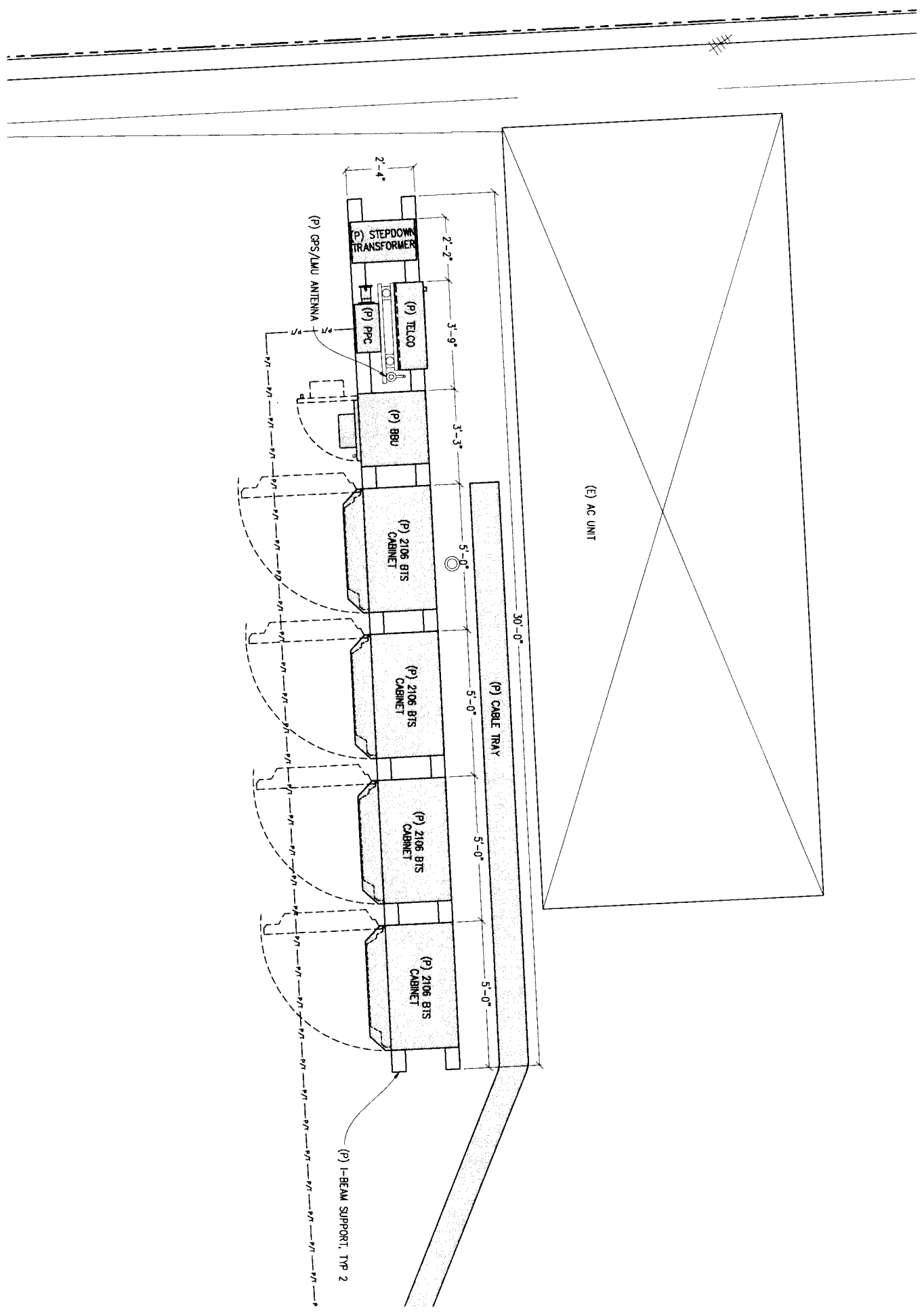
SHEET TITLE:  
**EQUIPMENT PLAN & DETAIL**

SHEET NUMBER:  
**A-2**



1  
 1/2"=1'

**BTS DETAIL**



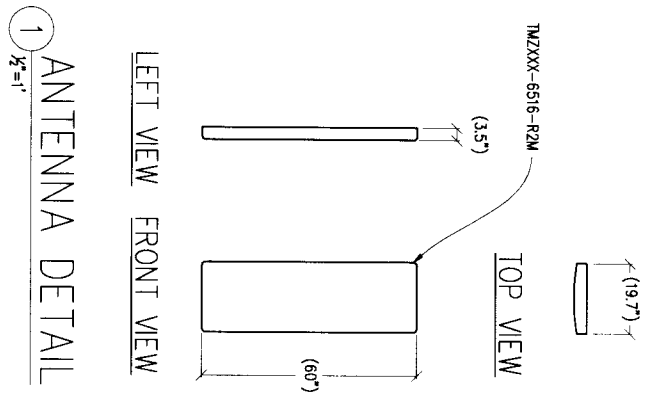
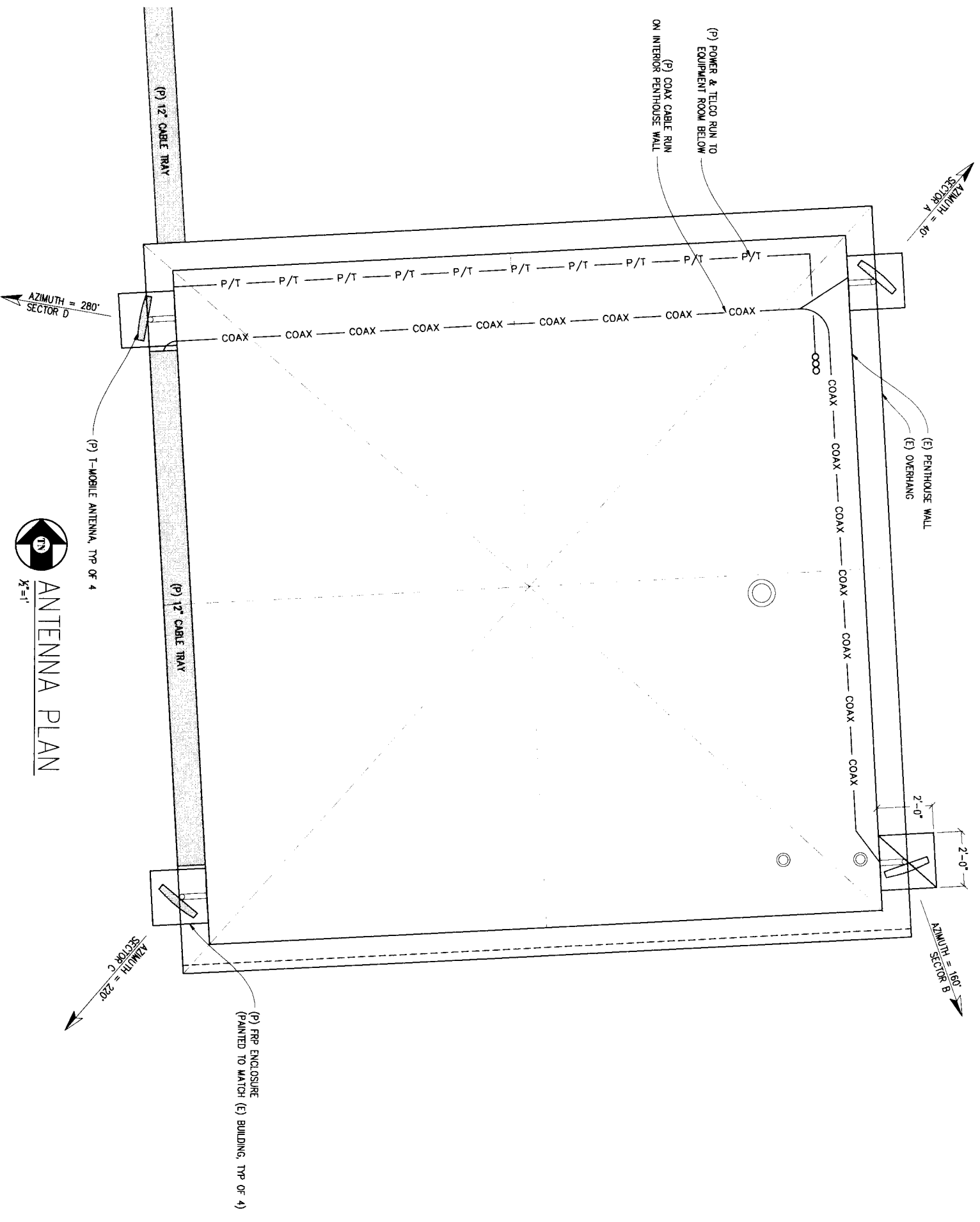
1/2"=1'

**EQUIPMENT PLAN**



COAX		RF CONFIGURATION									
SECTOR	#	LENGTH	SIZE	MODEL	#	TMA	MDT	EDT	RET	RAD	AZIMUTH
ALPHA	6	80	7/8"	TMZXXX-6516-R2M	1	2	0'	2'	YES	52'-6"	40°
BETA	6	55	7/8"	TMZXXX-6516-R2M	1	2	0'	2'	YES	52'-6"	160°
GAMMA	6	30	7/8"	TMZXXX-6516-R2M	1	2	0'	2'	YES	52'-6"	220°
DELTA	6	30	7/8"	TMZXXX-6516-R2M	1	2	0'	3'	YES	52'-6"	280°

NOTE: CONTRACTOR TO VERIFY LATEST RF DESIGN



1 ANTENNA DETAIL  
1/2"=1'

ANTENNA PLAN  
1/2"=1'

**BAY GUARDIAN**  
SF53450A  
135 MISSISSIPPI ST  
SAN FRANCISCO, CA 94107

DATE	DESCRIPTION	BY
06-15-09	ZD 90%	-
03-10-10	ZD 100%	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

ISSUE STATUS

DATE: 03/10/10

APPROVED BY: B. MCCOMB

CHECKED BY: C. MATHESEN

DRAWN BY: G. TIBBETT

**Streamline Engineering and Design Inc.**

11768 Atwood Rd, Suite 20 Auburn, CA 95603  
Contact: Lary Houghtby Phone: 916-275-4180  
E-Mail: lary@streamlineeng.com Fax: 530-823-8783

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T-MOBILE WEST CORPORATION

**T-Mobile**

1855 GATEWAY BLVD 9TH FLOOR  
CONCORD, CA 94520

SHEET TITLE:  
ANTENNA PLAN & DETAIL  
SHEET NUMBER:  
**A-3**

**BAY GUARDIAN**  
 SF53450A  
 135 MISSISSIPPI ST  
 SAN FRANCISCO, CA 94107

**ISSUE STATUS**

Δ	DATE	DESCRIPTION	BY
-	06-15-09	2D 90%	-
-	03-10-10	2D 100%	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

DRAWN BY: G. RIBBETT  
 CHECKED BY: C. MATHISEN  
 APPROVED BY: B. MCCOMB  
 DATE: 03/10/10

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 and Design Inc.

11768 Atwood Rd, Suite 20 Auburn, CA 95603  
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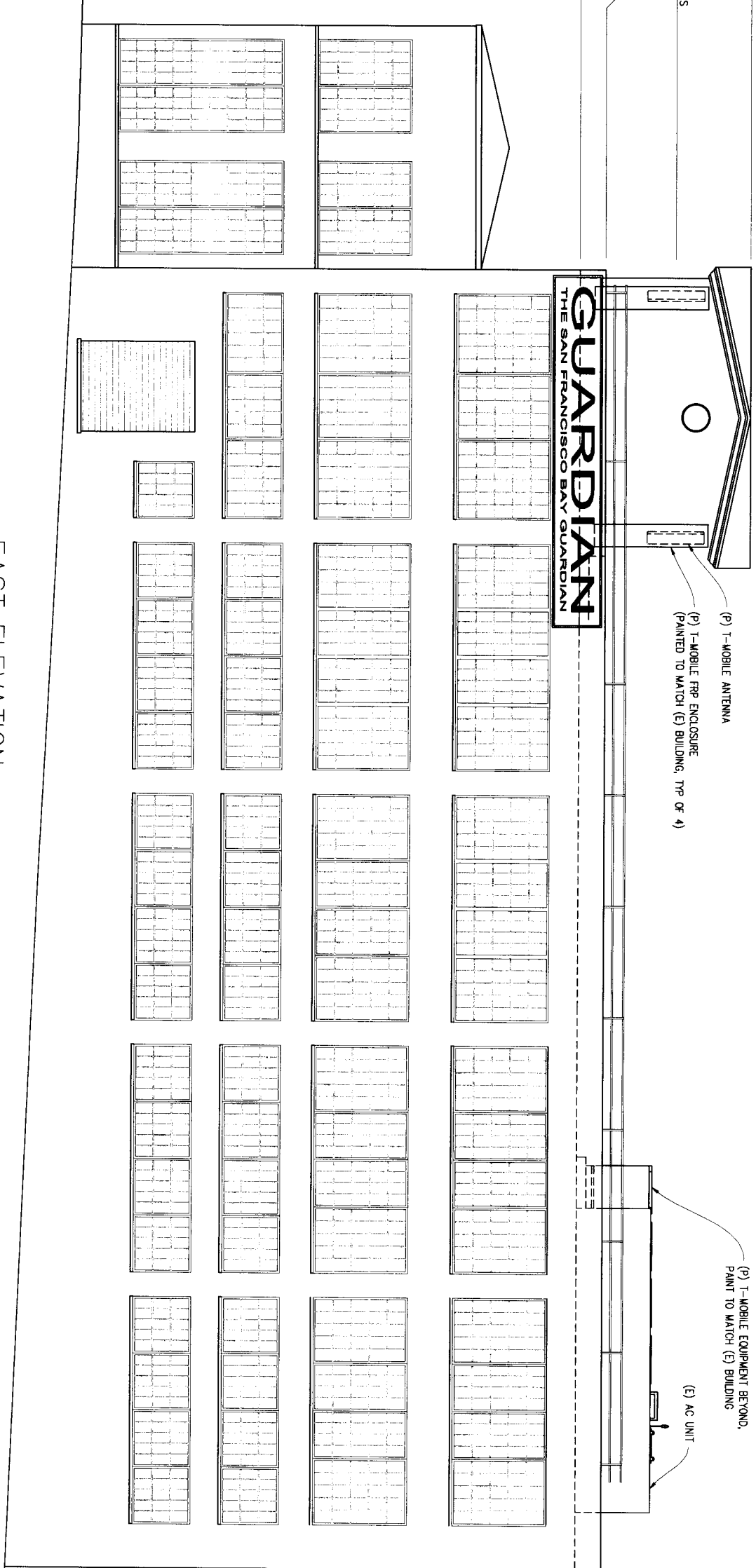
T-MOBILE WEST CORPORATION

**T-Mobile**

1855 GATEWAY BLVD 9TH FLOOR  
 CONCORD, CA 94520

SHEET TITLE:  
 ELEVATION  
 SHEET NUMBER:  
 A-4

- TOP OF (E) PENTHOUSE  
159'-0" A.G.L.
- RAD CENTER OF (P) T-MOBILE ANTENNAS  
152'-6" A.G.L.
- TOP OF (E) UPPER ROOF PARAPET  
148'-3" A.G.L.
- TOP OF (E) UPPER ROOF  
144'-0" A.G.L.
- GROUND LEVEL  
0'-0"



**EAST ELEVATION**  
 3/8"=1'

**BAY GUARDIAN**  
 SF53450A  
 135 MISSISSIPPI ST  
 SAN FRANCISCO, CA 94107

**ISSUE STATUS**

Δ	DATE	DESCRIPTION	BY
	06-15-09	ZD 90%	
	03-10-10	ZD 100%	

DRAWN BY: G. TIBBETT  
 CHECKED BY: C. MATHISEN  
 APPROVED BY: B. MCCOMB  
 DATE: 03/10/10

**Streamline Engineering and Design Inc.**

11768 Atwood Rd, Suite 20 Auburn, CA 95603  
 Contact: Lary Houghtby Phone: 916-275-4180  
 E-Mail: lary@streamlineeng.com Fax: 530-823-8783

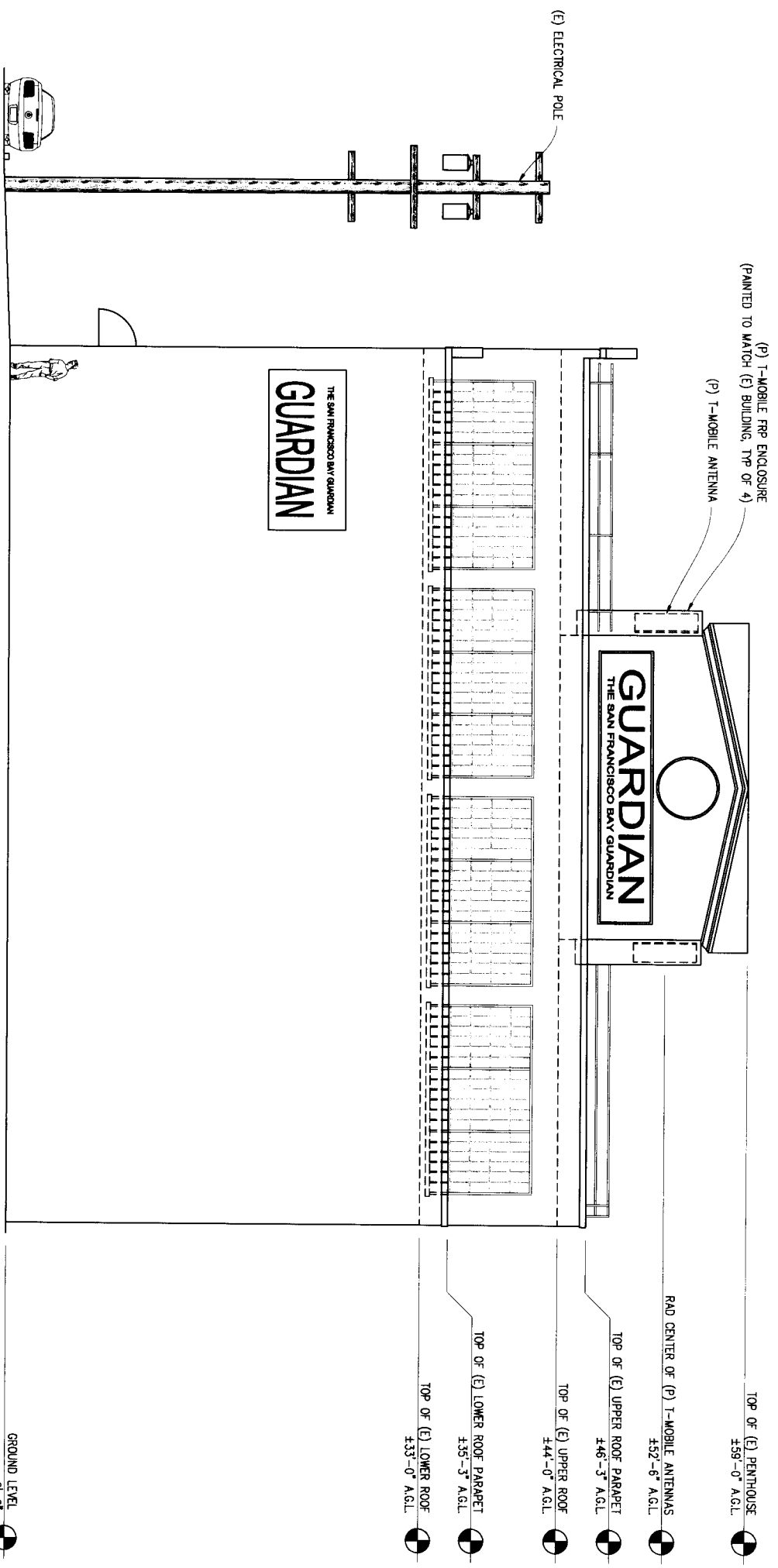
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T-MOBILE WEST CORPORATION

**T-Mobile**

1855 GATEWAY BLVD 9TH FLOOR  
 CONCORD, CA 94520

SHEET TITLE:  
 ELEVATION  
 SHEET NUMBER:  
**A-5**



**SOUTH ELEVATION**  
 3/8" = 1'

THE SAN FRANCISCO BAY GUARDIAN  
**GUARDIAN**

THE SAN FRANCISCO BAY GUARDIAN  
**GUARDIAN**

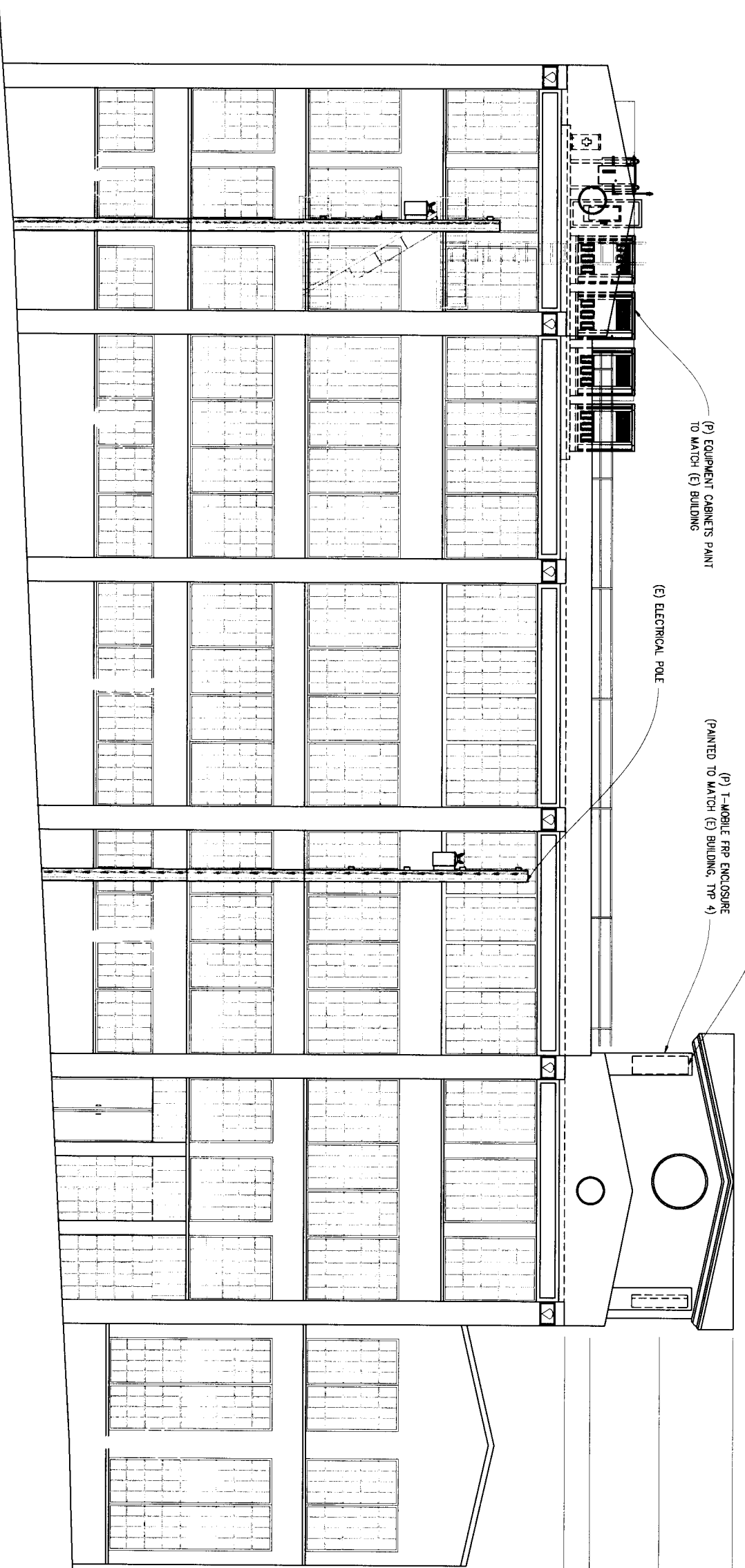
**BAY GUARDIAN**  
 SF53450A  
 138 MISSISSIPPI ST  
 SAN FRANCISCO, CA 94107

(P) T-MOBILE ANTENNA  
 (P) T-MOBILE FRP ENCLOSURE  
 (PAINTED TO MATCH (E) BUILDING, TYP 4)  
 (E) ELECTRICAL POLE  
 (P) EQUIPMENT CABINETS PAINT  
 TO MATCH (E) BUILDING

TOP OF (E) PENTHOUSE  
 ±59'-0" A.G.L.  
 TOP OF (E) T-MOBILE ANTENNAS  
 ±52'-6" A.G.L.  
 RAD CENTER OF (P) T-MOBILE ANTENNAS  
 ±46'-3" A.G.L.  
 TOP OF (E) UPPER ROOF PARAPET  
 ±46'-3" A.G.L.  
 TOP OF (E) UPPER ROOF  
 ±44'-0" A.G.L.

GROUND LEVEL  
 0'-0"

WEST ELEVATION  
 1/8"=1'



ISSUE STATUS	
Δ DATE	DESCRIPTION BY
06-15-09	ZD 90% -
03-10-10	ZD 100% -
-	-
-	-
-	-
-	-
-	-
-	-

DRAWN BY: G. TIBBETT  
 CHECKED BY: C. MATHISEN  
 APPROVED BY: B. MCOMB  
 DATE: 03/10/10

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T-MOBILE WEST CORPORATION

**T-Mobile**

1855 GATEWAY BLVD 9TH FLOOR  
 CONCORD, CA 94520

SHEET TITLE:  
 ELEVATION

SHEET NUMBER:  
**A-6**



Views of building facades on the East side of Mississippi St. between 17<sup>th</sup> St. and Mariposa St. (from North to South, Left to Right)





Views of building facades on the West side of Mississippi St. between 17<sup>th</sup> St. and Mariposa St. (from South to North, Left to Right)

