

Planning and Development Department  
Land Use Planning Division

# A D M I N I S T R A T I V E U S E P E R M I T

CITY OF BERKELEY ZONING ORDINANCE  
Berkeley Municipal Code, Title 23

**AUP #13-2000023/DR#13-3000014**

Property Address: **1725 EASTSHORE HIGHWAY**

Permittee Name: **MISAKO HILL FOR SPRINT**

Use and/or Construction Permitted: to Modify Administrative Use Permit #99-20000215 to remove three existing Sprint antennas and replace with three new Sprint antennas on the upper roof of a two story building, for a total antenna count of three Sprint antennas and remove two existing Sprint/Nextel antennas and leave four existing Sprint/Nextel antennas pursuant to:

- Section 23C.17.100.A.1.c to modify an existing wireless facility in a non-residential zoning district.

FINDINGS, CONDITIONS AND APPROVED PLANS ATTACHED

Following the expiration of the mandatory appeal period set forth in Section 23B.28.040 of the Berkeley Municipal Code, with no timely appeal being filed, the Administrative Use Permit described herein has been duly granted by the Zoning Officer on September 10, 2013.

Attest: Terry Blount  
Terry Blount, AICP, Principal Planner  
For Debbie Sanderson, Zoning Officer

Sept. 10, 2013  
Effective Date

# ATTACHMENT 1

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## FINDINGS AND CONDITIONS

AUGUST 19, 2013

### 1725 Eastshore Highway

#### Administrative Use Permit #13-20000023

#### Design Review #13-30000014

**To Modify Administrative Use Permit #99-20000215 to remove three existing Sprint antennas and replace with three new Sprint antennas on the upper roof of a two story building, for a total antenna count of three Sprint antennas and remove two existing Sprint/Nextel antennas and leave four existing Sprint/Nextel antennas.**

#### CEQA FINDINGS

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1. The project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA, Public Resources Code §21000, et seq. and California Code of Regulations, §15000, et seq.) pursuant to Section 15301 of the CEQA Guidelines ("Existing Facilities"). Furthermore, none of the exceptions in CEQA Guidelines Section 15300.2 apply, as follows: (a) the site is not located in an environmentally sensitive area, (b) there are no cumulative impacts, (c) there are no significant effects, (d) the project is not located near a scenic highway, (e) the project site is not located on a hazardous waste site pursuant to Government Code Section 65962.5, and (f) the project will not affect any historical resource.

#### FINDINGS FOR APPROVAL

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2. As required by Section 23B.28.050.A of the Zoning Ordinance, the project, under the circumstances of this particular case existing at the time at which the application is granted, will not be detrimental to the health, safety, peace, morals, comfort, and general welfare of the persons residing or working in the neighborhood of such proposed use or be detrimental or injurious to property and improvements of the adjacent properties, the surrounding area or neighborhood, or to the general welfare of the City because:

- There will be no increase in height of the previously approved 48'4" tall (above ground level) Sprint facility or to the existing Nextel facility. There will be no change to the height of the existing façade.
- At the existing rooftop, in the location of the existing Sprint facility, Sprint proposes to install three new antennas as follows:

- At the southwest facing façade (Gamma Sector), remove one existing Sprint antenna and install one new Sprint antenna inside a RF screen wall and remove one existing Sprint/Nextel antenna, two Sprint/Nextel antennas to remain;
  - At the north facing façade (Alpha Sector), remove one existing Sprint antenna and replace with one new Sprint antenna inside an a RF screen wall and remove one existing Sprint/Nextel antenna, two Sprint/Nextel antennas to remain; and
  - At the eastern portion of the roof (Beta Sector), remove one existing Sprint antenna and replace with one new Sprint antenna inside a new RF Transparent Radome, painted and textured to match the existing building.
- The height of the existing building is 36'. The height including the existing and proposed RF screen is 48'6" from finished grade, which exceeds the district maximum of 45' in the MU-LI (Mixed Use-Light Industrial) District. However, Section 23C.17.060.C of the Zoning Ordinance allows roof-mounted antennas affixed to an existing or proposed tower or pole to extend no more than 15' above the height limit of the District, therefore, the Sprint facility is allowed to project up to 60' (45'+15').
  - As required by Section 23C.17.100.B (Findings), the facility will comply with all applicable State and Federal standards and requirements and the facility will not be readily visible and will be similar in design, consistent with the general requirements of Chapter 23C.17.100.B.2 Wireless Telecommunication Facilities because the design incorporates features to ensure that the facility would not be readily visible, including:
    - Equipment cabinets are located in an existing outdoor lease space. The proposal includes removing one battery cabinet and there are no exterior modifications included in this proposal;
    - Existing cable trays painted and textured to match the existing building, wall, and roof will be utilized; and;
    - The proposed RF antenna screen wall will be painted and textured to match the existing building.
  - As required by Section 23C.17.100.B.4, Sprint has provided information and certifications required, complying with this Section of the Code. The City has received written certification that each Sprint/Nextel facility in the City of Berkeley are operating in accordance with the approved local and federal permits and has provided contact information for Sprint/Nextel.
  - Sprint, the operator, has submitted a Radio Frequency and Electromagnetic Energy (RF-EME) study conducted by EBI Consulting. The EBI report, dated September 4, 2012 states that based on worst-case predictive modeling to estimate the worst-case power density from the Sprint antennas and the other existing carrier, Sprint/Nextel antennas, there are no areas at ground level related to the Sprint installation that exceed the FCC's occupational or general public exposure limits, however, the worst-case emitted power density may exceed the FCC's *general public*

*limit* within approximately 2' in front the Sprint antennas at the main roof level. Modeling indicates that the worst-case emitted power density does not exceed the FCC's *occupational limit* in front of the Sprint proposed antennas at the main roof level or the lower roof level. EBI recommends additional signage be installed for the new antennas to make people aware of the antenna locations and that barriers are recommended. The workers and the general public should be informed about the presence and locations of the antennas and their associated fields. The recommended mitigation measures are included as conditions of approval in this permit.

- Dieter J. Preiser, PMP of RCC Consultants, San Bernadino, CA, an approved radio frequency engineer, has been retained by the City of Berkeley for the purpose of independently reviewing the Sprint proposal to verify the need for the modification. Sprint provided documents to RCC Consultants for review and analysis. RCC submitted a report to the City of Berkeley dated July 29, 2013, summarizing RCC's findings. The report states based on the coverage prediction maps provided and that Sprint is establishing new Long Term Evolution (LTE) or 4G service in the subject area, Sprint demonstrated that the site is needed to provide LTE service in the subject area and that the proposed design is considered reasonable and consistent with industry best practices to provide LTE 4G service in areas similar to the subject target area. RCC also states that the proposed installation will meet FCC guidelines pertaining to radio frequency emissions exposures with the implementation of controlled access to the rooftop and appropriate signage and construction barriers as recommended in the September 4, 2012 EBI report.
- As required by Section 23C.17.090 and 23C.17.100.B.4 (Requirements for Certification of Facilities) and (Findings), the Operator is required to submit continued proof of compliance with FCC regulations for electric and magnetic field strength and power density within 45 days of installation, yearly thereafter, and within 90 days of any change in FCC regulations. In order to approve a new or modified wireless facility the Operator must submit an annual written certification by an authorized representative for the wireless carrier that each of its facilities within the City is being operated in accordance with the approved local and federal permits. This facility can therefore be assumed to be safe according to FCC guidelines throughout the operation (see Conditions of Approval #31 and #32).
- As required under Sections 23E.08.020, 23E.12.040.A and 060 (Design Review Procedures), this proposal is found permissible because the height of the proposed antenna installation is consistent with the existing antennas and, therefore, it is not expected to create significant massing or visual impacts. The project has received Staff-Level Design Review and the execution of this project will be subject to Design Review Conditions #12A and #12B of this permit.

## **STANDARD CONDITIONS**

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The following conditions, as well as all other applicable provisions of the Zoning Ordinance, apply to this Permit:

### **1. Conditions Shall be Printed on Plans**

The conditions of this Permit shall be printed on the *second* sheet of each plan set submitted for a building permit pursuant to this Use Permit, under the title 'Use Permit Conditions'. *Additional sheets* may also be used if the *second* sheet is not of sufficient size to list all of the conditions. The sheet(s) containing the conditions shall be of the same size as those sheets containing the construction drawings; 8-1/2" by 11" sheets are not acceptable.

### **2. Applicant Responsible for Compliance with Conditions**

The applicant shall ensure compliance with all of the following conditions, including submittal to the project planner of required approval signatures at the times specified. Failure to comply with any condition may result in construction being stopped, issuance of a citation, and/or modification or revocation of the Use Permit.

### **3. Uses Approved Deemed to Exclude Other Uses (Section 23B.56.010)**

- A. This Permit authorizes only those uses and activities actually proposed in the application, and excludes other uses and activities.
- B. Except as expressly specified herein, this Permit terminates all other uses at the location subject to it.

### **4. Modification of Permits (Section 23B.56.020)**

No change in the use or structure for which this Permit is issued is permitted unless the Permit is modified by the Zoning Officer, except that the Zoning Officer may approve changes that do not expand, intensify, or substantially change the use or building.

### **5. Plans and Representations Become Conditions (Section 23B.56.030)**

Except as specified herein, the site plan, floor plans, building elevations and/or any additional information or representations, whether oral or written, indicating the proposed structure or manner of operation submitted with an application or during the approval process are deemed conditions of approval.

### **6. Subject to All Applicable Laws and Regulations (Section 23B.56.040)**

The approved use and/or construction is subject to, and shall comply with, all applicable City Ordinances and laws and regulations of other governmental agencies. Prior to construction, the applicant shall identify and secure all applicable permits from the Building and Safety Division, Public Works Department and other affected City divisions and departments.

**7. Exercised Permit for Use Survives Vacancy of Property (Section 23B.56.080)**

Once a Permit for a use is exercised and the use is established, that use is legally recognized, even if the property becomes vacant, except as set forth in Standard Condition #8, below.

**8. Exercise and Lapse of Permits (Section 23B.56.100)**

- A. A permit for the use of a building or a property is exercised when, if required, a valid City business license has been issued, and the permitted use has commenced on the property.
- B. A permit for the construction of a building or structure is deemed exercised when a valid City building permit, if required, is issued, and construction has lawfully commenced.
- C. A permit may be declared lapsed and of no further force and effect if it is not exercised within one year of its issuance, except that permits for construction or alteration of structures or buildings may not be declared lapsed if the permittee has: (1) applied for a building permit; or, (2) made substantial good faith efforts to obtain a building permit and begin construction, even if a building permit has not been issued and/or construction has not begun.

**9. Indemnification Agreement**

The applicant shall hold the City of Berkeley and its officers harmless in the event of any legal action related to the granting of this Permit, shall cooperate with the City in defense of such action, and shall indemnify the City for any award of damages or attorneys fees that may result.

**ADDITIONAL CONDITIONS IMPOSED BY THE ZONING OFFICER**

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Pursuant to BMC 23B.28.050.D, the Zoning Officer attaches the following additional conditions to this Permit:

**Prior to Issuance of Any Building Permit**

- 10. The applicant shall submit to the Zoning Officer for review and approval a written compliance-monitoring plan. The plan shall include:
  - A. Contact information for the individual empowered to manage compliance with this Use Permit. The Zoning Officer shall be notified if this information changes;
  - B. Timing of deliverables (reports on compliance with FCC standards) required by conditions of this Use Permit.
- 11. The applicant shall provide signage identifying the name and phone number of a party to contact in event of an emergency. The signage shall be placed in an area easily visible to the public and/or emergency personnel. The plans submitted for a building

permit shall include a sample of the proposed emergency sign(s), as well as the location for posting such signs. The signs shall identify the name and phone number of a party to contact in the event of an emergency. The design, materials, colors, and location of signs shall be subject to Design Review approval.

12. Project requires approval of a Final Design Review by the Design Review Staff or by the Design Review Committee. Final plans shall address the following conditions:
  - A. The proposal of modification of existing telecommunication facility is approved as shown on the drawings dated "received August 14, 2013" subject to the following conditions.
  - B. No changes can be made to these approved plans without Design Review approval.
13. The applicant is responsible for complying with all the above conditions. Failure to comply with any condition could result in construction work being stopped, issuance of citations, as well as further review by the Design Review Staff, which may modify or impose additional conditions, or revoke the design review approval.
14. All building permit drawings and subsequent construction shall substantially conform to the final design review plans as outlined in Conditions #12A and #12B. Any modifications must be reviewed by the Zoning Officer or his designee to determine whether the modification requires approval.
15. The applicant shall provide signage identifying the name and phone number of a party to contact in event of an emergency. The design, materials, colors and location of signs shall be subject to Design Review approval. The plans submitted for a building permit shall include a sample of the proposed emergency sign(s) as well as the warning signs, as well as the location for posting such signs.
12. Prior to submittal of a building permit, the applicant shall provide the project planner with the name and telephone number of the individual empowered to manage construction noise from the project. The individual's name, telephone number, and responsibility for noise management shall be posted at the project site for the duration of construction in a location easily visible to the public. The individual shall record all noise complaints received and actions taken in response, and submit written reports of such complaints and actions to the project planner on a weekly basis. **Individual Responsible for Noise Management:**  
  
 Name: \_\_\_\_\_ Phone: \_\_\_\_\_
13. The applicant and all persons associated with the project are hereby notified that a Transportation Management Permit (TMP) would be required under any of the following circumstances:
  - Alterations, closures, or blockages to sidewalks or pedestrian paths
  - Alterations, closures, or blockages to vehicle travel lanes (including bicycle lanes)

- Storage of building materials, dumpsters, debris anywhere in the public ROW
- Provision of exclusive contractor parking on-street
- Significant truck activity.

Contact the Permit Service Center (PSC) at 2120 Milvia Street or 981-7500 for details on obtaining Construction/No Parking Permits (and associated signs and accompanying dashboard permits). Public Works Traffic Engineering (981-6400) reviews all submitted TMP requests.

The TMP may include designation of a specific truck haul route. Meter heads (if in the construction area) shall be removed only by City staff. Contact the site inspector 72 hours in advance of required removal so arrangements can be made.

14. Prior to issuance of a building permit to erect or install the proposed facility, the applicant shall either secure a bond or provide financial assurances, in a form acceptable to the City Manager, for the removal of the facility in the event that its use is abandoned or the approval is otherwise terminated.

#### **During Construction**

15. Construction activity shall be limited to between the hours of 8:00 a.m. and 6:00 p.m. on Monday through Friday, and between 9:00 a.m. and noon on Saturday. No construction-related activity shall occur on Sunday or on any Federal Holiday.
16. If underground utilities leading to adjacent properties are uncovered and/or broken, the contractor involved shall immediately notify the Public Works Department and the Building & Safety Division, and carry out any necessary corrective action to their satisfaction.
17. Subject to approval of the Public Works Department, the applicant shall repair any damage to public streets and/or sidewalks by construction vehicles traveling to or from the project site.

#### **Prior to Issuance of Occupancy Permit or Final Inspection:**

18. Prior to issuance of occupancy permit or final inspection, all construction at the subject property shall substantially conform to the approved Use Permit drawings or to modifications approved by the Zoning Officer.
19. All landscape, site and architectural improvements shall be completed per the attached approved drawings dated **August 13, 2013 and received August 14, 2013.**

#### **At All Times:**

20. Existing explanatory signage shall remain and the mitigations recommended by EBI Consulting, in the September 4, 2012 and the RCC report dated July 29, 2013 evaluation of the facility for radio frequency fields shall be implemented and any subsequent engineering recommendations.

- A. Blue notice signs are to be posted at roof points and at Sectors B and C. Barriers shall be installed where exposures are above FCC limits. Workers and the general public shall be informed about the presence and locations of antennas and their associated fields; and
  - B. Rooftop access shall be controlled to restrict public access and signage shall be installed at all access points near the antennas. In addition, barriers shall be implemented in front of the Sector B (Beta) and C (Gamma) antennas.
21. Signage identifying the name and phone number of the individual to contact in the event of an emergency shall be installed at the project site (see Condition #11 above).
  22. Subject to review and approval by the Zoning Officer, future changes to or replacement of the wireless equipment shall be permitted through issuance of a Zoning Certificate, rather than a Modification of the Use Permit, so long as the proposed changes are not detrimental, comply with performance standards within this Use Permit (e.g. noise levels and visual appearance), do not increase the size or visibility of any legally established wireless telecommunication facility, and complies with the FCC's MPE limits for electric and magnetic field strength and power density for transmitters within the designated equipment area.
  23. The wireless telecommunications facility and related equipment, including lighting, fences, shields, cabinets, and poles, shall be maintained in good repair, free from trash, debris, litter and graffiti and other forms of vandalism, and any damage from any cause shall be repaired as soon as reasonably possible so as to minimize occurrences of dangerous conditions or visual blight. Graffiti shall be removed from any facility or equipment as soon as practicable, and in no instance more than forty-eight (48) hours from the time of notification by the city.
  24. The wireless telecommunications facility shall be operated in a manner that will minimize noise impacts to surrounding residents and persons using nearby parks, trails, and similar recreation areas. Except for emergency repairs, testing and maintenance activities that will be audible beyond the property line shall only occur between the hours of 8:00 am and 7:00 pm on Monday through Friday, excluding holidays. All air conditioning units and any other equipment that may emit noise that would be audible from beyond the property line shall be enclosed or equipped with noise attenuation devices. Backup generators shall only be operated during periods of power outages or for testing. At no time shall equipment noise from any source exceed the standards specified in the Berkeley Community Noise Ordinance (BMC Chapter 13.40).
  25. The exterior walls and roof covering of all aboveground equipment shelters and cabinets shall be constructed of materials rated as nonflammable in the Uniform Building Code.
  26. Openings in all aboveground equipment shelters and cabinets shall be protected against penetration by fire and windblown embers to the extent feasible.

27. Material used as supports for antennas shall be fire resistant, termite proof, and subject to all applicable requirements of the Uniform Building Code.
28. Telecommunications antenna towers shall be designed to withstand forces expected during earthquakes to the extent feasible. Building-mounted facilities shall be anchored so that an earthquake does not dislodge them or tip them over. All equipment mounting racks and attached equipment shall be anchored so that a quake would not tip them over, throw equipment off its shelves, or otherwise damage equipment.
29. All connections between various components of the wireless telecommunications facility and necessary power and telephone lines shall, to the extent feasible, be protected against damage by fire, flooding, and earthquake. Reasonable measures shall be taken to keep wireless telecommunication facilities in operation in the event of a natural disaster.
30. No wireless telecommunications facility or combination of facilities shall at any time produce power densities that exceed the FCC's limits for electric and magnetic field strength and power density for transmitters. In order to ensure continuing compliance with all applicable emission standards, all wireless telecommunications facilities shall be reviewed by an approved engineer-in accord with the schedule and procedures set forth in Section 23C.17.090. All reasonable costs of such inspections shall be born by the owner or operator of the facility. The City may require, at the operator's expense, independent verification of the results of any analysis. If an operator of a telecommunications facility fails to supply the required reports or fails to correct a violation of the Federal Communications Commission standard following notification, the Use Permit is subject to modification or revocation by the Zoning Adjustments Board following a public hearing.
31. Within forty five (45) days of initial operation or modification of a telecommunications facility, the operator of each telecommunications antenna shall submit to the Zoning Officer written certification by an approved engineer that the facility's radio frequency emissions are in compliance with the approved application and any required conditions. The engineer shall measure the radio frequency radiation of the approved facility and determine if it meets the FCC requirements. A report of these measurements and the engineer's findings with respect to compliance with the FCC's MPE limits shall be submitted to the Zoning Officer. If the report shows that the facility does not comply with applicable FCC requirements, the owner or operator shall cease operation of the facility until the facility complies with, or has been modified to comply with, this standard. Proof of compliance shall be a certification provided by the engineer who prepared the original report. In order to assure the objectivity of the analysis, the City may require, at the applicant's expense, independent verification of the results of the analysis.
32. Hereafter, prior to January 31 of every year, an authorized representative for each wireless carrier providing service in the City of Berkeley shall provide written certification to the City that each facility is being operated in accordance with the approved local and federal permits and shall provide the current contact information.

33. Once every two years, the City may retain, at the operator's expense, an approved engineer to conduct an unannounced spot check of the facility's compliance with applicable FCC radio frequency standards.
34. In the event of a change in the FCC's Maximum Permissible Exposure (MPE) limits for electric and magnetic field strength and power density for transmitters, the operator of the facility shall be required to submit to the Zoning Officer written certification by an approved engineer of compliance with applicable FCC radio frequency standards within 90 days of any change in applicable FCC radio frequency standards or of any modification of the facility requiring a new submission to the FCC to determine compliance with emission standards. If calculated levels exceed 50% of the FCC's MPE limits, the operator of the facility shall hire an approved engineer to measure the actual exposure levels. If calculated levels are not in compliance with the FCC's MPE limit, the operator shall cease operation of the facility until the facility is brought into compliance with the FCC's standards and all other applicable requirements. A report of these calculations, required measurements, if any, and the engineer's findings with respect to compliance with current MPE limits shall be submitted to the Zoning Officer.
35. If the Zoning Officer at any time finds that there is good cause to believe that a telecommunications antenna is not in compliance with applicable FCC radio frequency standards, he/she may require the operator to submit written certification that the facility is in compliance with such FCC standards.
36. Within thirty (30) days of cessation of operations of any wireless telecommunications facility approved pursuant to this chapter, the operator shall notify the Zoning Officer in writing. The permit for said wireless telecommunications facility shall be deemed lapsed and of no further effect six (6) months thereafter unless:
  - A. The Zoning Officer has determined that the same operator resumed operation within six (6) months of the notice; or
  - B. The City has received an application to transfer the permit to another operator.
37. No later than thirty (30) days after a permit has lapsed under the preceding condition of approval, the operator shall remove all wireless telecommunication facilities from the site. If the operator fails to do, the property owner shall be responsible for removal, and may use any bond or other assurances provided by the operator pursuant to the requirements of Section 23C.17.050 to do so. If such facilities are not removed, the site shall be deemed to be a nuisance pursuant to Section 23B.64 and the City may call the bond to pay for removal.
38. Failure to inform the Zoning Officer of cessation of operations of any existing facility shall constitute a violation of the Zoning Ordinance and be grounds for:
  - A. Prosecution;
  - B. Revocation or modification of the permit;

- C. Calling of any bond or assurance secured by the operator pursuant to the requirements of Section 23C.17.050; and/or
  - D. Removal of the facilities.
- 39.** Prior to selling or leasing the facility to another carrier, the existing operator shall provide written notification to the Zoning Officer. The carrier that is buying or leasing the facility shall also provide written notification to the Zoning Officer and request a transfer of the existing Use Permit. The Zoning Officer may require submission of any supporting materials or documentation necessary to determine that the proposed use is in compliance with the existing Use Permit and all of its conditions including, but not limited to, statements, photographs, plans, drawings, models, and analysis by a State-licensed radio frequency engineer demonstrating compliance with all applicable regulations and standards of the Federal Communications Commission and the California Public Utilities Commission. If the Zoning Officer determines that the proposed operation is not consistent with the existing Use Permit, he/she shall notify the applicant who may revise the application or apply for modification to the Use Permit pursuant to the requirements of Section 23B.56.
- 40.** The applicant shall be responsible for paying all costs (including City staff time) associated with monitoring and/or enforcement of the above conditions. Fees shall be based on the adopted City fee schedule in place at the time the work is performed or action is taken.
- 41.** All exterior lighting shall be shielded and directed downward and away from property lines to prevent excessive glare beyond the subject property.
- 42.** This permit is subject to review, imposition of additional conditions, or revocation if factual complaint is received by the Zoning Officer that the maintenance or operation of this establishment is violating any of these or other required conditions or is detrimental to the health, safety, peace, morals, comfort or general welfare of persons residing or working in the neighborhood or is detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the City.
- 43.** Noise and exterior lighting shall be controlled so as to prevent verified complaints from the surrounding neighborhood.



Prepared by: Pamela Johnson, Assistant Planner for  
Debra Sanderson, Zoning Officer







PROJECT NO: SF33XCT528  
DRAWN BY: R. MONTANEZ JR  
CHECKED BY: S. MARTINEZ JR

REV	DATE	DESCRIPTION	BY
1	04/22/13	ISSUE FOR CONSTRUCTION	RM
2	07/25/13	ISSUE FOR CONSTRUCTION	RM/CM
3	07/25/13	ISSUE FOR CONSTRUCTION	RM/CM
4	04/16/13	ISSUE FOR CONSTRUCTION	CM
5	04/22/13	ISSUE FOR CONSTRUCTION	CM
6	07/25/13	ISSUE FOR CONSTRUCTION	RM/CM
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82	07/25/13	ISSUE FOR CONSTRUCTION	RM/CM
83	07/25/13	ISSUE FOR CONSTRUCTION	RM/CM
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97	07/25/13	ISSUE FOR CONSTRUCTION	RM/CM
98	07/25/13	ISSUE FOR CONSTRUCTION	RM/CM
99	07/25/13	ISSUE FOR CONSTRUCTION	RM/CM
100	07/25/13	ISSUE FOR CONSTRUCTION	RM/CM

IT IS A VIOLATION OF LAW FOR ANY PERSON TO REPRODUCE OR TRANSMIT THIS DOCUMENT IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE AUTHOR.

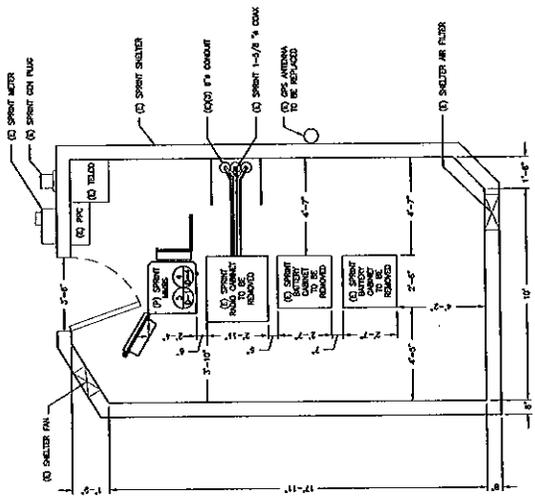
SF33XCT528  
KAISER  
1725 EASTSHORE BLVD.  
BERKELEY, CA 94710

SHEET TITLE  
CABINET PHASING

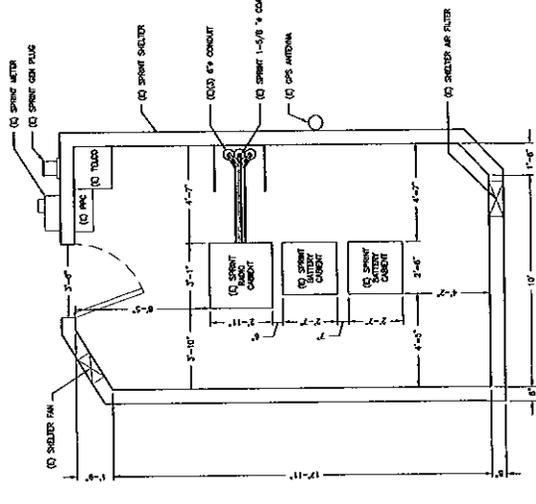
SHEET NUMBER  
A-2

308 F. 107/225 PHASE #. 24

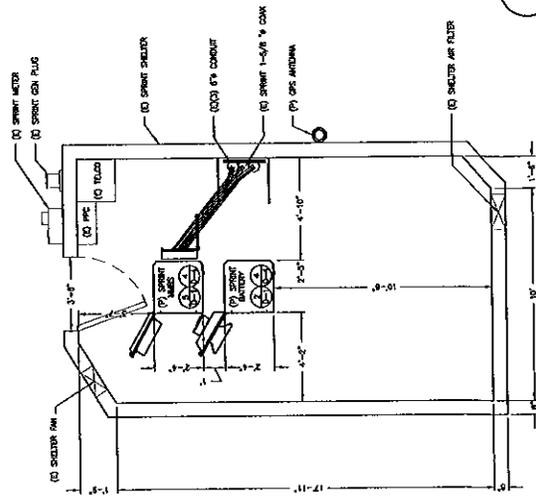
APPROVED PLAN  
DATE 8.14.13  
DATE  
PLANNING  
D.R. Conditions Attached  
A.U.P. Conditions Attached  
U.P. Conditions Attached



2 INTERM CABINET LAYOUT  
SCALE 3/8" = 1'-0"



1 EXISTING CABINET LAYOUT  
SCALE 3/8" = 1'-0"



3 FINAL CABINET LAYOUT  
SCALE 3/8" = 1'-0"

- NOT USED

3 FINAL CABINET LAYOUT









6580 SPRINT PARKWAY,  
OVERLAND PARK, KANSAS 66251



BLACK & VEATCH



MIT<sup>2</sup>  
TELECOM LP  
10100 S. WILLOW RD  
P.O. BOX 1000  
DENVER, CO 80201

PROJECT NO: SF53307528  
DRAWN BY: R. MONTANEZ JR.  
CHECKED BY: S. MARTINEZ JR.

REV	DATE	DESCRIPTION	INITIALS
1	04/22/13	ISSUE FOR PERMITS	RM
2	04/23/13	ISSUE FOR PERMITS	RM
3	04/23/13	ISSUE FOR PERMITS	RM
4	04/23/13	ISSUE FOR PERMITS	RM
5	04/23/13	ISSUE FOR PERMITS	RM
6	04/23/13	ISSUE FOR PERMITS	RM
7	04/23/13	ISSUE FOR PERMITS	RM
8	04/23/13	ISSUE FOR PERMITS	RM
9	04/23/13	ISSUE FOR PERMITS	RM
10	04/23/13	ISSUE FOR PERMITS	RM
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19	04/23/13	ISSUE FOR PERMITS	RM
20	04/23/13	ISSUE FOR PERMITS	RM

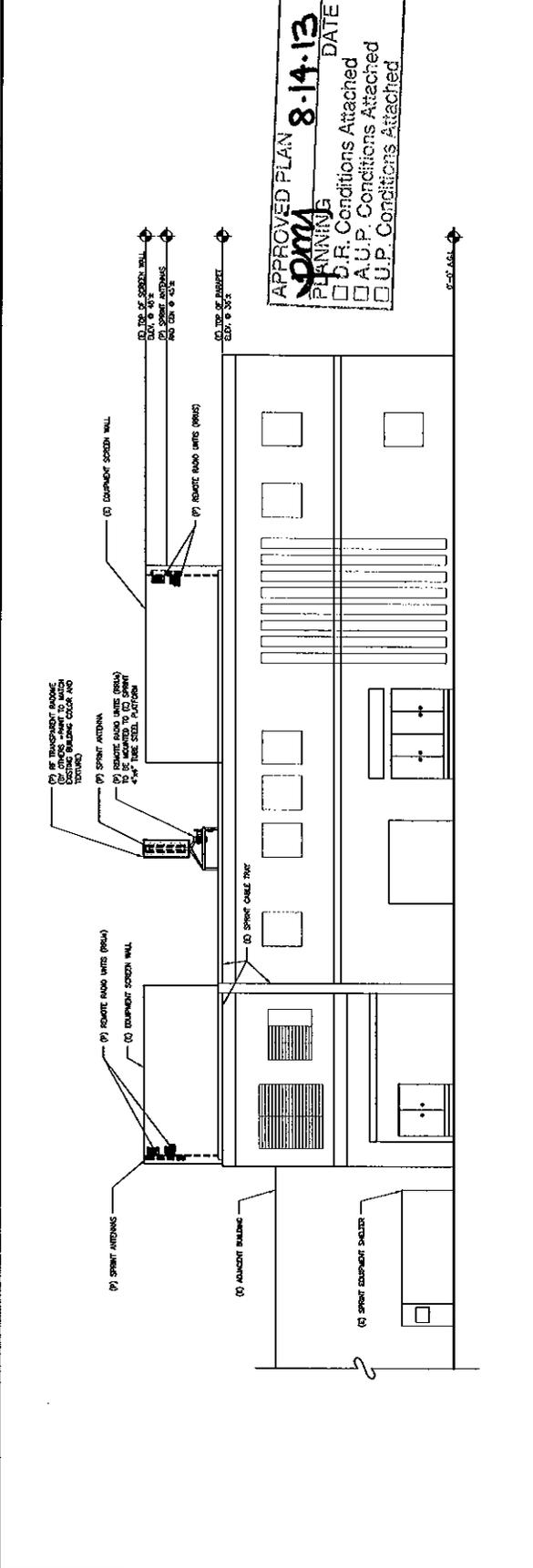
U.S. A. VERSION OF THE IBC FOR THE PROJECT. ALL OTHERS ARE TO BE USED IN ACCORDANCE WITH THE IBC. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE APPLICABILITY OF ALL CODES AND REGULATIONS TO THE PROJECT.

SF53307528  
KAISER  
1725 EASTSHORE BLVD.  
BERKELEY, CA 94710

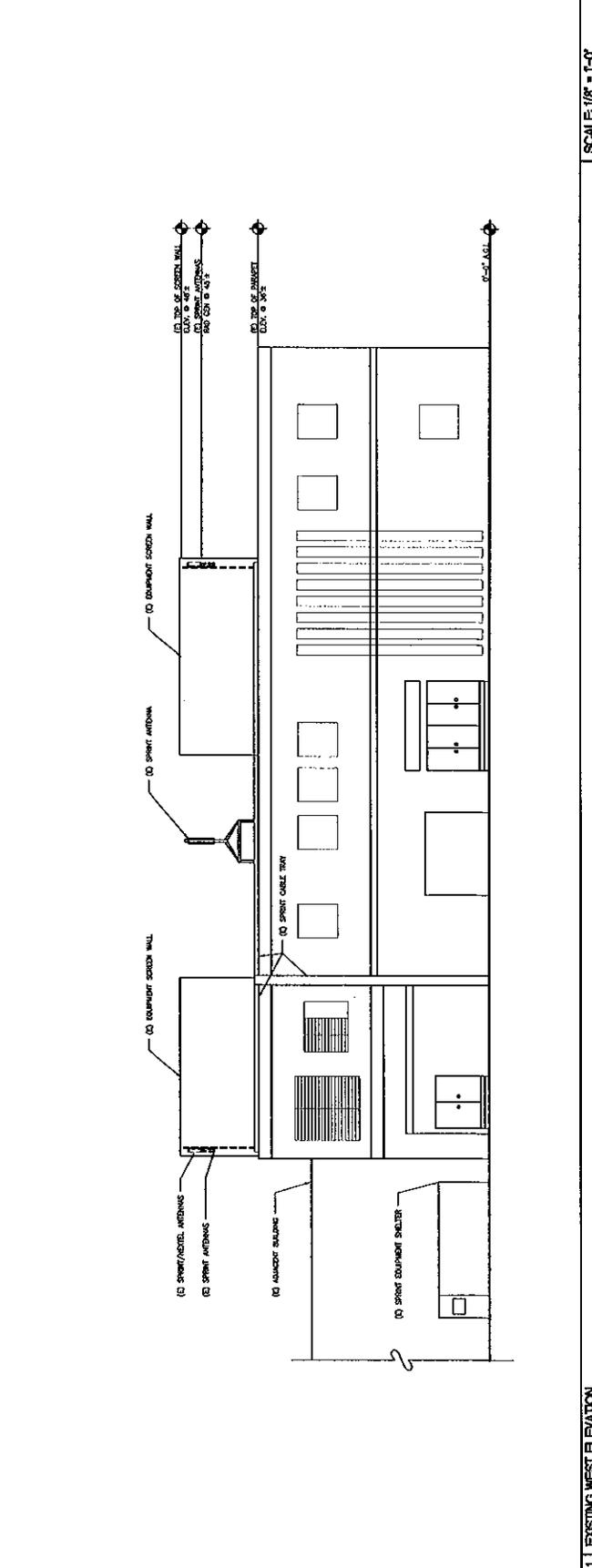
SHEET TITLE  
WEST ELEVATIONS

SHEET NUMBER  
A-6

JOB #: 101225  
PHASE #: 2x



2 | FINAL WEST ELEVATION  
SCALE: 1/8" = 1'-0"



1 | EXISTING WEST ELEVATION  
SCALE: 1/8" = 1'-0"





APPROVED PLAN  
 DATE 8-14-13  
 PLANNING  
 U.P. Conditions Attached  
 U.P. Conditions Attached



PROJECT NO: SF33307528  
 DRAWN BY: R. MARTINEZ, JR.  
 CHECKED BY: S. MARTINEZ, JR.

NO.	DATE	DESCRIPTION	BY
1	08/27/13	ISSUE FOR CONSTRUCTION	RJM
2	08/27/13	ISSUE FOR CONSTRUCTION	RJM
3	08/27/13	ISSUE FOR CONSTRUCTION	RJM
4	08/27/13	ISSUE FOR CONSTRUCTION	RJM
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100	08/27/13	ISSUE FOR CONSTRUCTION	RJM

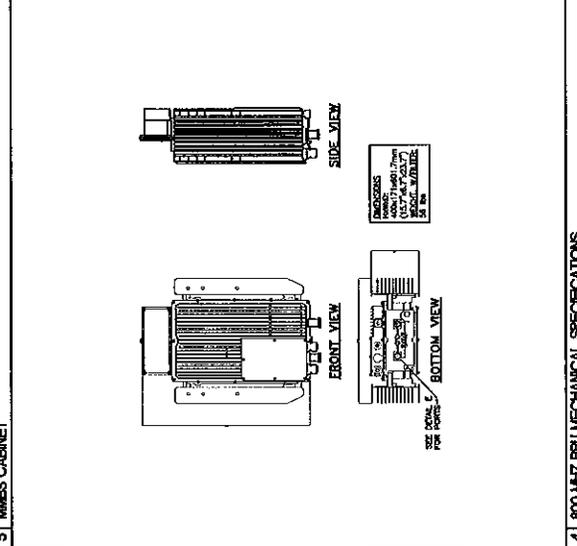
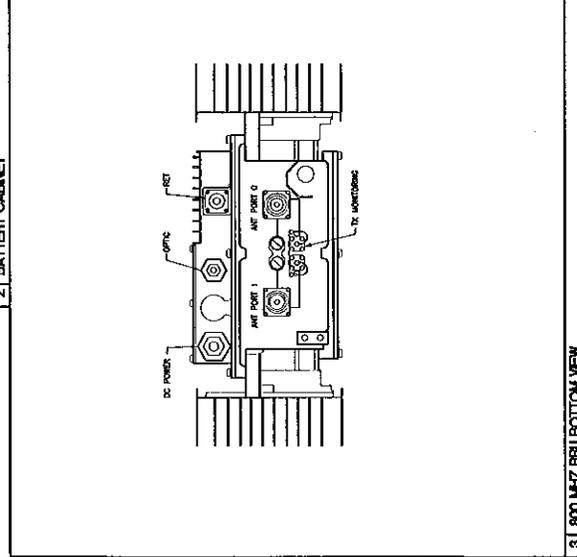
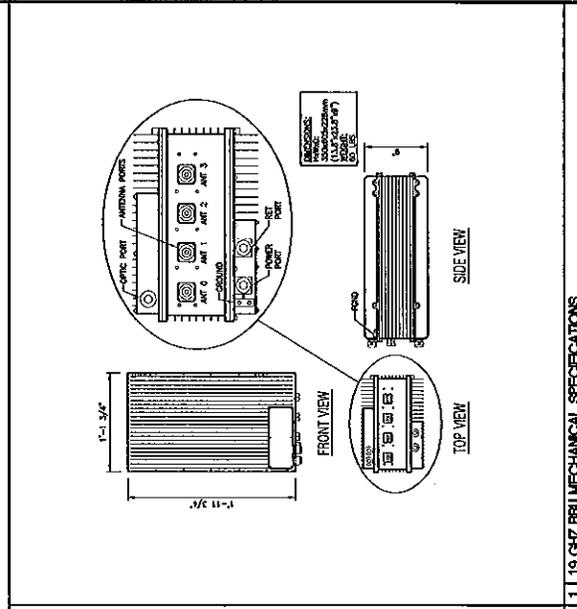
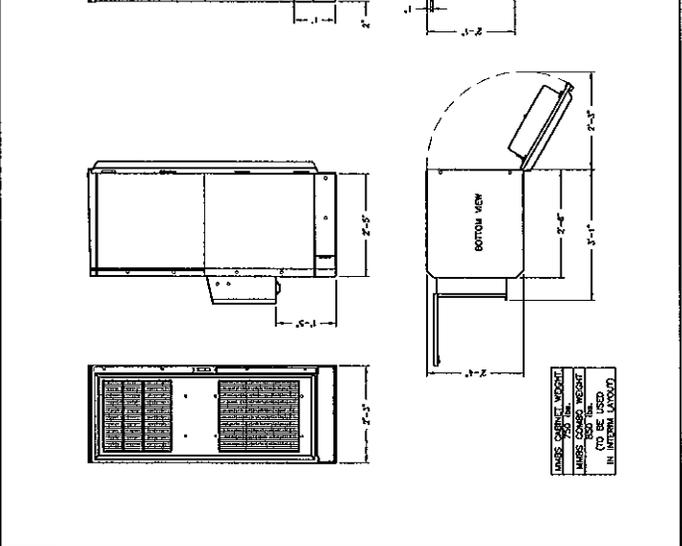
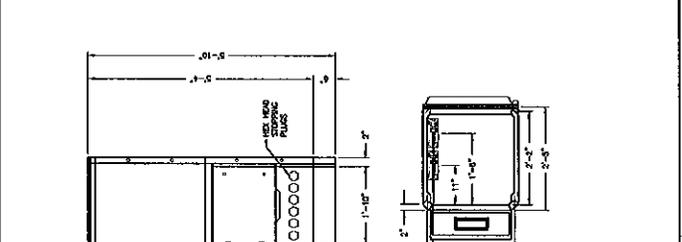
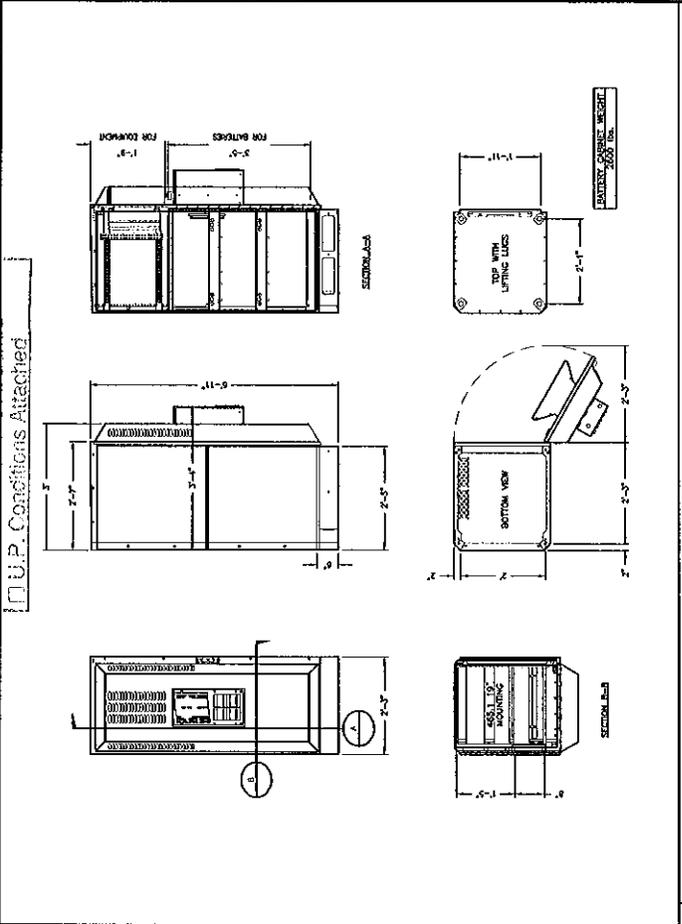
IT IS A CONDITION OF LEASE FOR ANY PERSON, OTHER THAN THE LESSEE, TO REMOVE OR ALTER THE EQUIPMENT OR TO REMOVE THE EQUIPMENT FROM THE PREMISES WITHOUT THE WRITTEN CONSENT OF THE LESSOR.

SF33307528  
 KAISER  
 1725 EASTSHORE BLVD.  
 BERKELEY, CA 94710

SHEET TITLE  
**EQUIPMENT DETAILS**

SHEET NUMBER  
**D-1**

JOB # : 101225 PHASE # : 24









PROJECT NO: SF33X07528  
 DRAWN BY: R. MONTEZ JR.  
 CHECKED BY: S. MARTINEZ JR.

REV	DATE	DESCRIPTION	BY
8	8/14/13	ISSUE FOR CONSTRUCTION	RM
7	07/26/13	ISSUE FOR CONSTRUCTION	RM/CH
6	07/26/13	ISSUE FOR CONSTRUCTION	RM/CH
5	07/26/13	ISSUE FOR CONSTRUCTION	RM/CH
4	07/26/13	ISSUE FOR CONSTRUCTION	RM/CH
3	07/26/13	ISSUE FOR CONSTRUCTION	RM/CH
2	07/26/13	ISSUE FOR CONSTRUCTION	RM/CH
1	07/26/13	ISSUE FOR CONSTRUCTION	RM/CH

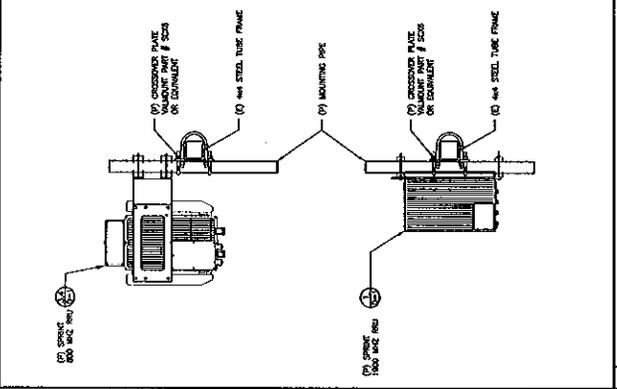
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SF33X07528  
 KAISER  
 1725 EASTSHORE BLVD.  
 BERKELEY, CA. 94710

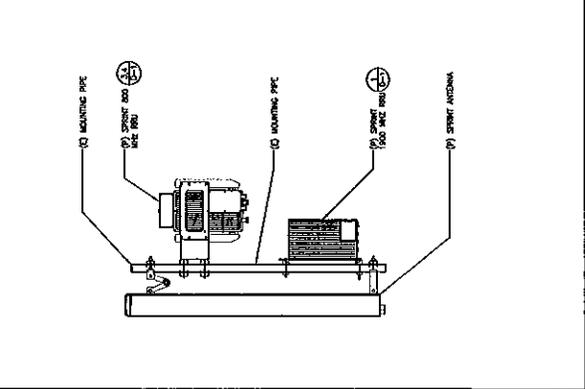
SHEET TITLE  
 DETAILS

SHEET NUMBER  
 D-4

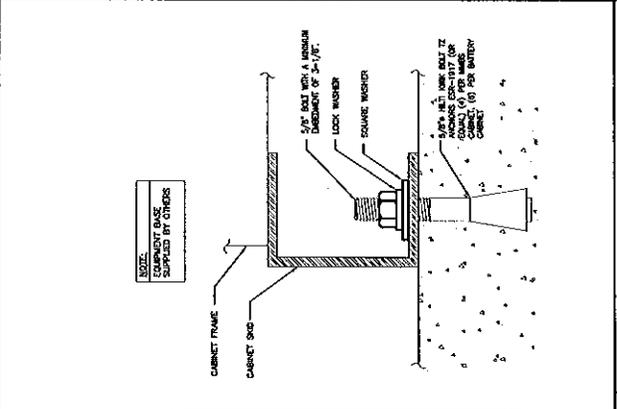
JOB # 101225 PHASE # 24



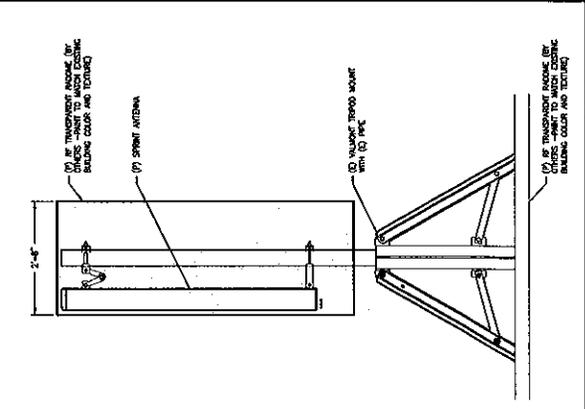
2 | RRU PLATFORM MOUNTING



1 | ANTENNA AND RRU PIPE MOUNTING



4 | CABINET MOUNTING



3 | ANTENNA MOUNTING

APPROVED PLAN **8-14-13** DATE  
 PLANING  
 D.R. Conditions Attached  
 A.U.P. Conditions Attached  
 U.P. Conditions Attached



PROJECT NO: SF33X0752B  
 DRAWN BY: R. MONTANEZ JR.  
 CHECKED BY: S. MARTINEZ JR.

NO.	DATE	DESCRIPTION	BY
1	07/26/13	ISSUE FOR CONSTRUCTION	RM
2	07/26/13	ISSUE FOR CONSTRUCTION	RM/ON
3	07/26/13	ISSUE FOR CONSTRUCTION	RM/ON
4	07/26/13	ISSUE FOR CONSTRUCTION	RM/ON
5	07/26/13	ISSUE FOR CONSTRUCTION	RM/ON
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18	07/26/13	ISSUE FOR CONSTRUCTION	RM/ON
19	07/26/13	ISSUE FOR CONSTRUCTION	RM/ON
20	07/26/13	ISSUE FOR CONSTRUCTION	RM/ON

IF A S.A. INDICATION OF LAW FOR ANY PERSON, FIRM OR COMPANY APPEARS ON THIS DRAWING, IT IS TO BE UNDERSTOOD THAT SUCH PERSON, FIRM OR COMPANY HAS AGREED TO ACCEPT THE RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED.

SF33X0752B  
 KAISER  
 1725 EASTSHORE BLVD.  
 BERKELEY, CA. 94710

SHEET TITLE  
**OVERALL FIBER PLAN**

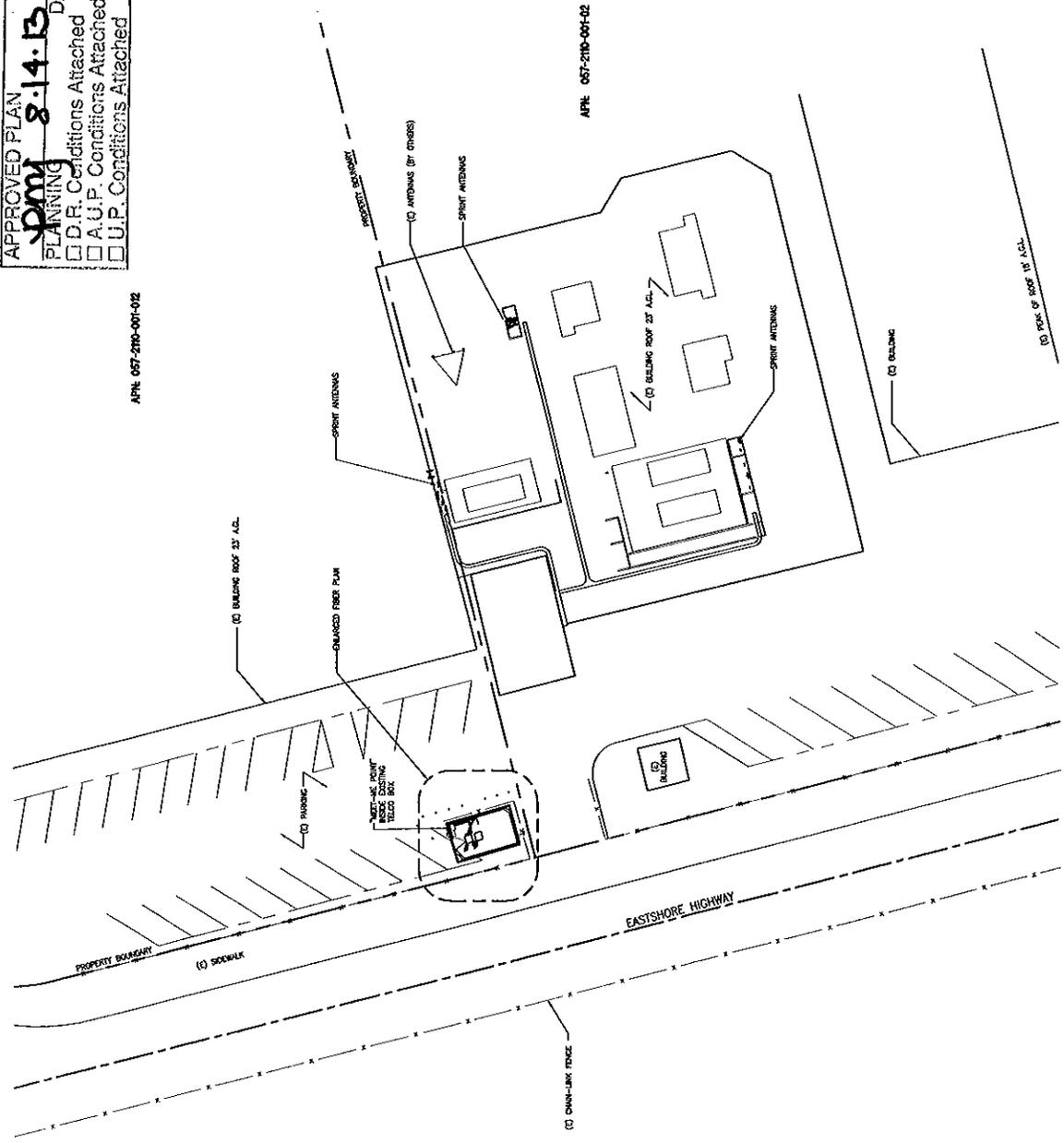
SHEET NUMBER  
**F-1**

JOB # 1011225 PHASE # 24

- NOTES:**
- PROPERTY LINES SHOWN ARE APPROXIMATE AND DONE WITHOUT THE BENEFIT OF A SITE SURVEY.
  - CONDUIT ROUTING IS DIAGRAMMATICALLY SHOWN ON PLANS AND ARE ONLY APPROXIMATIONS. THE EXACT LOCATION AND ROUTING SHALL BE FIELD VERIFIED.
  - UTILITY AND ACCESS EXHIBITS SHOWN ARE APPROXIMATE LOCATIONS. CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD.
  - FOR TYPICAL TRENCH DETAIL SEE SHEET F-4 (AS NEEDED)
  - EXISTING SPRINT LEASE AREA SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY LEASE AREA WITH LAND SURVEY.
  - THE MOPE "MEET-UP POINT" IS LOCATED IN THE NORTHWEST CORNER OF THE SHELTER INSIDE TELCO BOX. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF THE MOPE INSIDE TELCO BOX PRIOR TO INSTALLATION OF PROPOSED FIBER EQUIPMENT.

LENGTH OF FIBER RUN "MEET-UP" POINT TO ANY	±5'
DISTANCE	

APPROVED PLAN  
 DATE 8.14.13  
 PLANNING  
 D.R. Conditions Attached  
 A.U.P. Conditions Attached  
 U.P. Conditions Attached



SCALE: 1" = 10'

1 | OVERALL FIBER PLAN





6500 SPRINT PARKWAY  
OVERLAND PARK, MISSOURI 66251



PROJECT NO: SF333C7528  
DRAWN BY: R. MONTANEZ JR.  
CHECKED BY: S. MARTINEZ JR.

NO.	DATE	DESCRIPTION	REVISED
1	05/01/13	ISSUE FOR CONSTRUCTION	
2	07/22/13	ISSUE FOR CONSTRUCTION	
3	07/22/13	ISSUE FOR CONSTRUCTION	
4	07/22/13	ISSUE FOR CONSTRUCTION	
5	07/22/13	ISSUE FOR CONSTRUCTION	
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18	07/22/13	ISSUE FOR CONSTRUCTION	
19	07/22/13	ISSUE FOR CONSTRUCTION	
20	07/22/13	ISSUE FOR CONSTRUCTION	

6.5. A WARNING OF LIFE OR LIMB HAZARD SHALL BE PLACED ON THE DRAWING IF THE WORK DESCRIBED HEREIN IS TO BE PERFORMED IN THE PRESENCE OF LIVE ELECTRICAL SYSTEMS.  
IF THE WORK DESCRIBED HEREIN IS TO BE PERFORMED IN THE PRESENCE OF LIVE ELECTRICAL SYSTEMS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND FOR THE PROTECTION OF THE WORKERS AND THE PUBLIC.  
IF THE WORK DESCRIBED HEREIN IS TO BE PERFORMED IN THE PRESENCE OF LIVE ELECTRICAL SYSTEMS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND FOR THE PROTECTION OF THE WORKERS AND THE PUBLIC.

SF333C7528  
KAISER  
1725 EASTSHORE BLVD.  
BERKELEY, CA 94710

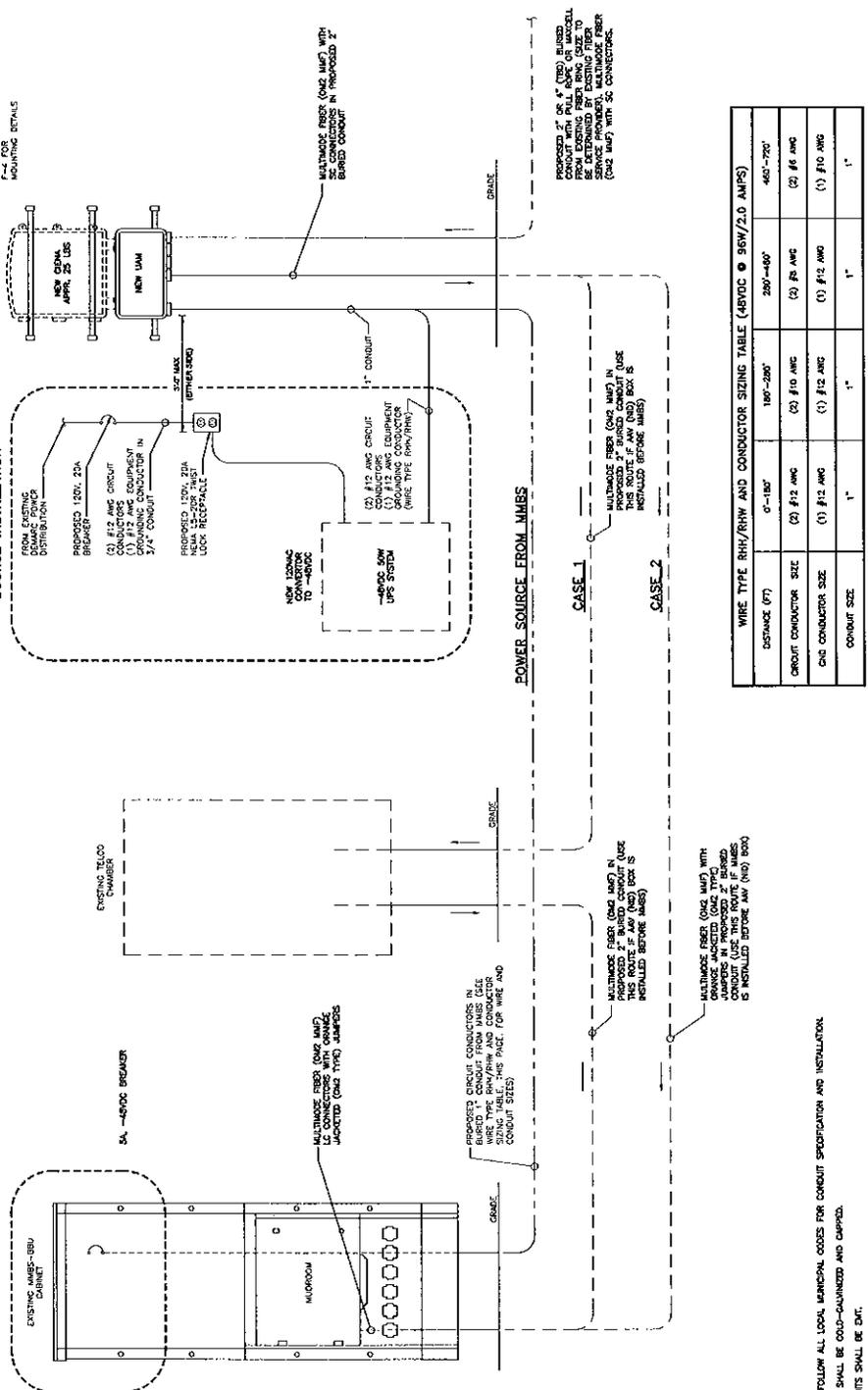
SHEET TITLE  
AAV (NID) ENCLOSURE  
ONE-LINE DIAGRAM

SHEET NUMBER  
F-3

JOB #: 101225 PHASE #: 24

APPROVED PLAN  
DATE 8.14.13  
PLANNING  
D.F.R. Conditions Attached  
A.U.P. Conditions Attached  
U.P. Conditions Attached

FOR INDOOR AAV (NID) ALTERNATE POWER SOURCE INSTALLATION



WIRE TYPE RHH/RHW AND CONDUCTOR SIZING TABLE (480V @ 90W/2.0 AMPS)

DISTANCE (FT)	0'-150'	150'-250'	250'-450'	450'-750'
CIRCUIT CONDUCTOR SIZE	(2) #12 AWG	(2) #10 AWG	(2) #8 AWG	(2) #6 AWG
ENC CONDUCTOR SIZE	(1) #12 AWG	(1) #12 AWG	(1) #12 AWG	(1) #10 AWG
CONDUIT SIZE	1"	1"	1"	1"

- NOTES
1. CONTRACTOR SHALL FOLLOW ALL LOCAL MUNICIPAL CODES FOR CONDUIT SPECIFICATION AND INSTALLATION.
  2. ALL UNNECESSARY ENDS SHALL BE GROUND-QUINCHED AND CAPPED.
  3. ALL INTERIOR CONDUITS SHALL BE DRY.
  4. ALL ABOVE GROUND CONDUIT SHALL BE RHD.
  5. CASE 1 - FIBER PANTY TO BE USED IF HANS DOES NOT EXIST AND FIBER ARRIVES FIRST.
  6. CASE 2 - FIBER PANTY TO BE USED IF HANS EXISTS AND FIBER IS ADDED AFTER HANS IS ESTABLISHED.



PROJECT NO: SF23307528  
 DRAWN BY: R. MARTINEZ JR.  
 CHECKED BY: S. MARTINEZ JR.

NO.	DATE	DESCRIPTION	BY
1	01/22/13	ISSUE FOR CONSTRUCTION	RM
2	02/22/13	ISSUE FOR CONSTRUCTION	RM
3	02/22/13	ISSUE FOR CONSTRUCTION	RM
4	07/10/13	ISSUE FOR CONSTRUCTION	RM
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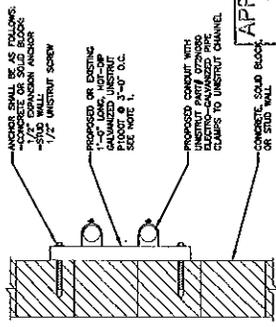
SEE S.I. FOR SIGN OF USE FOR USE AND PREVIOUS EDITIONS. THESE ARE NOT TO BE USED FOR CONSTRUCTION UNLESS THEY ARE ACTIVE UNDER THE CURRENT EDITION. ALWAYS REFER TO THE LATEST EDITION OF THE DOCUMENT.

SF23307528  
 KAISER  
 1725 EASTSHORE BLVD.  
 BERKELEY, CA 94710

SHEET TITLE  
 FIBER DETAILS

SHEET NUMBER  
 F-4

JOB #: 101225 PHASE #: 24



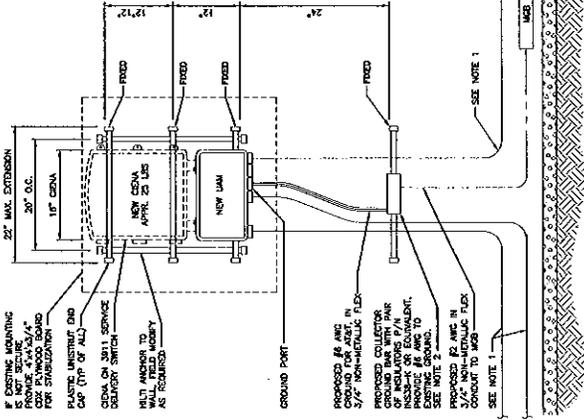
APPROVED PLAN **8.14.13** DATE  
 PLANNING  
 D.R. Conditions Attached  
 A.U.P. Conditions Attached  
 U.P. Conditions Attached

NOTE  
 1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO INSTALLATION OF A WALL SUPPORTED UNISTRUT SYSTEM.

CONDUIT ANCHORING

NO SCALE

2



NOTES

- REFER TO SHEET F-3 FOR CONDUIT ROUTING DETAIL.
- CONTRACTOR TO VERIFY EXISTING HORIZONTAL IS NON-REMOVABLE STRUCTURE. VERIFY SOUND, AND UNDERSTAND THE WALL TYPE AND THICKNESS BEFORE INSTALLING PROPOSED AW (AND) TO HORIZONTAL.
- CONTRACTOR TO VERIFY EXISTING HORIZONTAL IS NON-REMOVABLE STRUCTURE. VERIFY SOUND, AND UNDERSTAND THE WALL TYPE AND THICKNESS BEFORE INSTALLING PROPOSED AW (AND) TO HORIZONTAL.

WALL MOUNT AAV (NID) ENCLOSURE INSTALLATION DETAIL (AS REQUIRED)

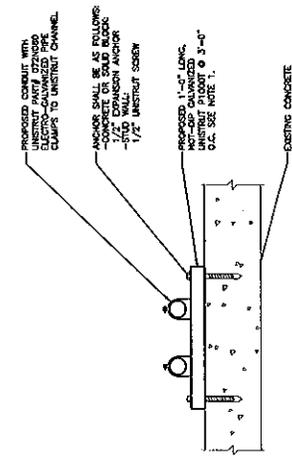
NO SCALE

1

NOT USED

NO SCALE

4



NOTE

- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO INSTALLATION OF A WALL SUPPORTED UNISTRUT SYSTEM.

CONDUIT ANCHORING

NO SCALE

3



