



SAN FRANCISCO PLANNING DEPARTMENT

Certificate of Appropriateness Case Report Consent Calendar HEARING DATE: JULY 6, 2011

1650 Mission St.
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San Francisco,
CA 94103-2479

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Planning
Information:
415.558.6377

Filing Date: January 13, 2010
Case No.: **2010.0015A**
Project Address: **415 Geary Street/333 Mason Street**
Historic Landmark: No. 82 – Geary Theater and Geary Theater Annex
Zoning: C-3-G (Downtown, Commercial, General)
80-130-F Height and Bulk District
Block/Lot: 0316/001A
Applicant: Evan Shepherd Reiff for
at&t Mobility
430 Bush Street, 5th Floor
San Francisco, CA 94105
Staff Contact Aaron Hollister - (415) 575-9078
aaron.hollister@sfgov.org
Reviewed By Tim Frye – (415) 575-6822
tim.frye@sfgov.org

PROPERTY DESCRIPTION

415 Geary Street/333 Mason Street, southwest corner of Geary and Mason Streets, in Assessor's Block 0316, Lot 001A. The subject site contains City Landmark No. 82 – the Geary Theater and the Geary Theatre Annex. The theater and annex occupy the entire "L"-shaped lot with the theater fronting on Geary Street and the annex fronting on Mason Street. The neo-classical Geary Theater was constructed between 1908 and 1910 and is presently known as the ACT Theater. The tripartite, brick Geary Theatre Annex was also constructed between 1908 and 1910 and abuts the rear of the Geary Theatre. The annex currently serves as the loading and stage door entrance to the Geary Theatre. The subject site is located within a C-3-G (Downtown, Commercial, General) Use District, an 80-130-F Height and Bulk Districts, and the Kearny-Market-Mason-Sutter Conservation District.

PROJECT DESCRIPTION

The project proposes to install a wireless telecommunications service (WTS) facility operated by at&t Mobility that would include up to seven panel antennas and associated equipment cabinets. The panel antennas would be split into two sectors. "Sector A" would contain three antennas and would be located on the secondary, north-facing façade of the Geary Theater Annex at a maximum height of approximately 48.25 feet. The "Sector A" antennas would not exceed the height of their mounting surface and would be painted to match their mounting surface. "Sector B" would contain four antennas and would be located on the south façade of a non-historic penthouse that is located at the rear of the theater at a maximum of height of approximately 95.3 feet. The "Sector B" antennas would also not exceed the height of their mounting surface and would be painted to match their mounting surface.

The associated equipment cabinets would be located in the basement of a separate property located at 401-405 Geary Street, which is located at the corner of Geary and Mason Streets. The two-story commercial building is not a part of City Landmark No. 82 and is not subject to the Certificate of Appropriateness request. 401-405 Geary Street is a Category V (Unrated) Structure in the Kearny-Market-Mason-Sutter Conservation District.

OTHER ACTIONS REQUIRED

None.

COMPLIANCE WITH THE PLANNING CODE PROVISIONS

The proposed project is in compliance with all other provisions of the Planning Code.

APPLICABLE PRESERVATION STANDARDS

ARTICLE 10

A Certificate of Appropriateness is required for any construction, alteration, removal, or demolition of a designated Landmark for which a City permit is required. In appraising a proposal for a Certificate of Appropriateness, the Historic Preservation Commission should consider the factors of architectural style, design, arrangement, texture, materials, color, and other pertinent factors. Section 1006.7 of the Planning Code provides in relevant part as follows:

The proposed work shall be appropriate for and consistent with the effectuation of the purposes of Article 10.

The proposed work shall be compatible with the historic structure in terms of design, materials, form, scale, and location. The proposed project will not detract from the site's architectural character as described in the designating ordinance. For all of the exterior and interior work proposed, reasonable efforts have been made to preserve, enhance or restore, and not to damage or destroy, the exterior architectural features of the subject property which contribute to its significance.

THE SECRETARY OF THE INTERIOR'S STANDARDS

Rehabilitation is the act or process of making possible a compatible use for a property through repair, alterations, and additions, while preserving those portions or features that convey its historical, cultural, or architectural values. The Rehabilitation Standards provide, in relevant part(s):

Standard 2.

The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

The proposal will not change the use or the overall character of the existing buildings. The proposed antennas on the theater building would be located on a non-historic mechanical penthouse, which is not a distinctive characteristic feature of the subject building. The proposed antennas on the theater annex would be located on a blank, secondary façade, which does not contain historic materials or character-defining features of the building.

Standard 9.

New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.

The proposed WTS facility installation is anticipated not to be visible from many viewscales as viewed from adjacent public rights-of-way and public places. When visible, the WTS facility is anticipated to be minimally visible from the immediately adjacent public rights-of-way and public places. The proposed antennas on the mechanical penthouse would be flush-mounted to and painted to match the penthouse façade. The antennas on the mechanical penthouse are not anticipated to be visible from public rights-of-way. The proposed antennas on the annex would not be visible from several viewpoints, but when visible, the antennas would be minimally visible as the antennas would be flush-mounted and painted to match the mounting surface, a concrete, secondary blank façade. The blank façade does not contain character-defining features of the annex building. By mounting the antennas in such fashion, the antennas would not disrupt the primary parapet lines of the building and would be compatible with the building and the surrounding environment.

Standard 10.

New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

The WTS facility would be able to be removed without impairment to the buildings or the surrounding environment. The antennas would be respectively mounted to the façade of a non-historic penthouse and a blank, concrete wall that does not contain character-defining features of the building.

PUBLIC/NEIGHBORHOOD INPUT

The Department has received no public input on the project at the date of this report.

ISSUES & OTHER CONSIDERATIONS

None.

STAFF ANALYSIS

Particular to WTS facilities, staff considered the proposed location, method of attachment, screening material, size and number in relation to the subject building. Based on the requirements of Article 10 and the Secretary of Interior's Standards, staff has determined that the proposed work will not adversely affect the subject landmark site and is conformance with Article 10 and the Secretary of the Interior's Standards for Rehabilitation. Staff has found that the historic character of the property would be retained and preserved. Furthermore, staff finds that the proposed project would not impact any of the character-defining features of the Landmark buildings and the proposal is reversible as described in the following discussion.

The components of the proposed wireless telecommunication facility have been positioned to be minimally visible or not visible from adjacent rights-of-way. All seven of the wireless communication antennas would be located on features of the respective buildings that are not distinctive characteristic features of the buildings – a secondary, concrete blank façade and a mechanical penthouse. The antennas that would be mounted to the blank façade of the annex would be at a height not to exceed the structure to which the antennas are attached; therefore, no antenna would disrupt the existing parapet line or add undesired height and bulk to the building. Furthermore, mounting the antennas on the blank façade would also be consistent with existing utility features mounted to the secondary facades of the theater and the annex.

The proposed antennas that would be located on the mechanical penthouse of the theater portion of the site are not anticipated to be visible from nearby public rights-of-way. The proposed antennas that would be on the non-historic penthouse would not exceed the height of the penthouse; therefore, the antennas would not add undesirable height and bulk to the theater, nor would the antennas affect surrounding buildings in the area. The proposed, off-site equipment cabinets would not be visible as the equipment cabinets would be located in the basement of the structure at 401-405 Geary Street.

ENVIRONMENTAL REVIEW STATUS

The Planning Department has determined that the proposed project is exempt from environmental review, pursuant to CEQA Guideline Section 15303 (Class Three-New Construction of Small Structures) because the project is a minor alteration of an existing structure and meets the *Secretary of the Interior's Standards*.

PLANNING DEPARTMENT RECOMMENDATION

Planning Department staff recommends APPROVAL of the proposed project is appropriate for and consistent with the purposes of Article 10, meets the standards of Article 10 and the *Secretary of Interior's Standards for Rehabilitation*.

ATTACHMENTS

Draft Motion
Photo Simulations of Proposed Project
Plans
Zoning Maps

AJH: G:\DOCUMENTS\Projects\C of A\415 Geary Street\415 Geary Street Certificate of Appropriateness Case Report.doc



SAN FRANCISCO PLANNING DEPARTMENT

Historic Preservation Commission Draft Motion

HEARING DATE: JULY 6, 2011

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Reviewed By: Tim Frye – (415) 575-6822
tim.frye@sfgov.org

ADOPTING FINDINGS FOR A CERTIFICATE OF APPROPRIATENESS FOR PROPOSED WORK DETERMINED TO BE APPROPRIATE FOR AND CONSISTENT WITH THE PURPOSES OF ARTICLE 10, TO MEET THE STANDARDS OF ARTICLE 10 AND TO MEET THE SECRETARY OF INTERIOR'S STANDARDS FOR REHABILITATION, FOR THE PROPERTY LOCATED ON LOT 001A IN ASSESSOR'S BLOCK 0316, WITHIN A C-3-G (DOWNTOWN, COMMERCIAL, GENERAL) ZONING DISTRICT AND AN 80-130-F HEIGHT AND BULK DISTRICT.

PREAMBLE

WHEREAS, on January 15, 2010, at&t Mobility (Project Sponsor) filed an application with the San Francisco Planning Department (hereinafter "Department") for a Certificate of Appropriateness for installation of a wireless telecommunications service ("WTS") facility operated by at&t Mobility by adding include up to seven panel antennas and associated equipment cabinets. The panel antennas would be split into two sectors. "Sector A" would contain three antennas and would be located on the secondary, north-facing façade of the Geary Theater Annex at a maximum height of approximately 48.25 feet. The "Sector A" antennas would not exceed the height of their mounting surface and would be painted to match their mounting surface. "Sector B" would contain four antennas and would be located on the south façade of a non-historic penthouse that is located at the rear of the theater at a maximum of height of approximately 95.3 feet. The "Sector B" antennas would also not exceed the height of their mounting surface and would be painted to match their mounting surface. The subject buildings are located on Lot 001A in Assessor's Block 0316.

WHEREAS, the Project was determined by the Department to be categorically exempt from environmental review pursuant to CEQA Guideline Section 15303 (Class Three-New Construction of

Small Structures). The Historic Preservation Commission (hereinafter "Commission") has reviewed and concurs with said determination.

WHEREAS, on July 6, 2011, the Commission conducted a duly noticed public hearing on the current project, Case No. 2010.0015A ("Project") for its appropriateness.

WHEREAS, in reviewing the Application, the Commission has had available for its review and consideration case reports, plans, and other materials pertaining to the Project contained in the Department's case files, has reviewed and heard testimony and received materials from interested parties during the public hearing on the Project.

MOVED, that the Commission hereby grants the Certificate of Appropriateness, in conformance with the architectural plans dated received March 1, 2011, and labeled Exhibit A on file in the docket for Case No. 2010.0015A based on the following findings:

FINDINGS

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

1. The above recitals are accurate and also constitute findings of the Commission.
2. Findings pursuant to Article 10:
 - The proposed WTS facility would not impact any of the character-defining features of the Landmark buildings and the proposal is reversible.
 - The historic character of the property will be retained and preserved. The proposed antennas will be located on a blank, secondary façade and a non-historic mechanical penthouse, which are not distinctive characteristic features of the subject building.
 - The proposed WTS facility has been located so it is not visible or minimally visible from adjacent public rights-of-way and public open spaces.
 - The proposed antennas would be located on secondary elevations at a height not to exceed the structure to which the antennas are attached; therefore, no antenna would disrupt the existing parapet line.
 - The proposed project meets the following *Secretary of the Interior's Standards for Rehabilitation*:

Standard 2.

The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided

Standard 9.

New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.

Standard 10.

New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

3. **General Plan Compliance.** The proposed Certificate of Appropriateness is, on balance, consistent with the following Objectives and Policies of the General Plan:

I. URBAN DESIGN ELEMENT

THE URBAN DESIGN ELEMENT CONCERNS THE PHYSICAL CHARACTER AND ORDER OF THE CITY, AND THE RELATIONSHIP BETWEEN PEOPLE AND THEIR ENVIRONMENT.

GOALS

The Urban Design Element is concerned both with development and with preservation. It is a concerted effort to recognize the positive attributes of the city, to enhance and conserve those attributes, and to improve the living environment where it is less than satisfactory. The Plan is a definition of quality, a definition based upon human needs.

OBJECTIVE 1

EMPHASIS OF THE CHARACTERISTIC PATTERN WHICH GIVES TO THE CITY AND ITS NEIGHBORHOODS AN IMAGE, A SENSE OF PURPOSE, AND A MEANS OF ORIENTATION.

POLICY 1.3

Recognize that buildings, when seen together, produce a total effect that characterizes the city and its districts.

OBJECTIVE 2

CONSERVATION OF RESOURCES WHICH PROVIDE A SENSE OF NATURE, CONTINUITY WITH THE PAST, AND FREEDOM FROM OVERCROWDING.

POLICY 2.4

Preserve notable landmarks and areas of historic, architectural or aesthetic value, and promote the preservation of other buildings and features that provide continuity with past development.

POLICY 2.7

Recognize and protect outstanding and unique areas that contribute in an extraordinary degree to San Francisco's visual form and character.

The goal of a Certificate of Appropriateness is to provide additional oversight for buildings and districts that are architecturally or culturally significant to the City in order to protect the qualities that are associated with that significance.

The proposed project qualifies for a Certificate of Appropriateness and therefore furthers these policies and objectives by maintaining and preserving the character-defining features of 415 Geary Street/333 Mason Street for the future enjoyment and education of San Francisco residents and visitors.

4. The proposed project is generally consistent with the eight General Plan priority policies set forth in Section 101.1 in that:

- A) The existing neighborhood-serving retail uses will be preserved and enhanced and future opportunities for resident employment in and ownership of such businesses will be enhanced:

Numerous neighborhood-serving retail uses will be enhanced with improved at&t Mobility coverage provided by this site.

- B) The existing housing and neighborhood character will be conserved and protected in order to preserve the cultural and economic diversity of our neighborhoods:

The proposed project will maintain neighborhood character by respecting the character-defining features of the landmark in conformance with the Secretary of the Interior's Standards.

- C) The City's supply of affordable housing will be preserved and enhanced:

The project will not affect the affordable housing supply of the City.

- D) The commuter traffic will not impede MUNI transit service or overburden our streets or neighborhood parking:

The proposed project will not result in commuter traffic impeding MUNI transit service or overburdening the streets or neighborhood parking.

- E) A diverse economic base will be maintained by protecting our industrial and service sectors from displacement due to commercial office development. And future opportunities for resident employment and ownership in these sectors will be enhanced:

The proposed will not have any impact on industrial and service sector jobs.

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

The Project is designed and will be constructed to conform to the structural and seismic safety requirements of the Building Code.

- G) That landmark and historic buildings will be preserved:

The proposed project is in conformance with Article 10 of the Planning Code and the Secretary of the Interior's Standards.

- H) Parks and open space and their access to sunlight and vistas will be protected from development:

The proposed project will not impact the access to sunlight or vistas for the parks and open space.

5. For these reasons, the proposal overall, is appropriate for and consistent with the purposes of Article 10, meets the standards of Article 10, and the Secretary of Interior's Standards for Rehabilitation, General Plan and Prop M findings of the Planning Code.

DECISION

That based upon the Record, the submissions by the Applicant, the staff of the Department and other interested parties, the oral testimony presented to this Commission at the public hearings, and all other written materials submitted by all parties, the Commission hereby **GRANTS a Certificate of Appropriateness** for the property located at Lot 001A in Assessor's Block 0316 for proposed work in conformance with the renderings and architectural sketches dated March 1, 2011, and labeled Exhibit A on file in the docket for Case No. 2010.0015A.

APPEAL AND EFFECTIVE DATE OF MOTION: The Commission's decision on a Certificate of Appropriateness shall be final unless appealed within thirty (30) days. Any appeal shall be made to the Board of Appeals, unless the proposed project requires Board of Supervisors approval or is appealed to the Board of Supervisors as a conditional use, in which case any appeal shall be made to the Board of Supervisors (see Charter Section 4.135).

Duration of this Certificate of Appropriateness: This Certificate of Appropriateness is issued pursuant to Article 10 of the Planning Code and is valid for a period of three (3) years from the effective date of approval by the Historic Preservation Commission. The authorization and right vested by virtue of this action shall be deemed void and canceled if, within 3 years of the date of this Motion, a site permit or building permit for the Project has not been secured by Project Sponsor.

THIS IS NOT A PERMIT TO COMMENCE ANY WORK OR CHANGE OF OCCUPANCY UNLESS NO BUILDING PERMIT IS REQUIRED. PERMITS FROM THE DEPARTMENT OF BUILDING INSPECTION (and any other appropriate agencies) MUST BE SECURED BEFORE WORK IS STARTED OR OCCUPANCY IS CHANGED.

I hereby certify that the Historical Preservation Commission ADOPTED the foregoing Motion on July 6, 2011.

Linda D. Avery
Commission Secretary

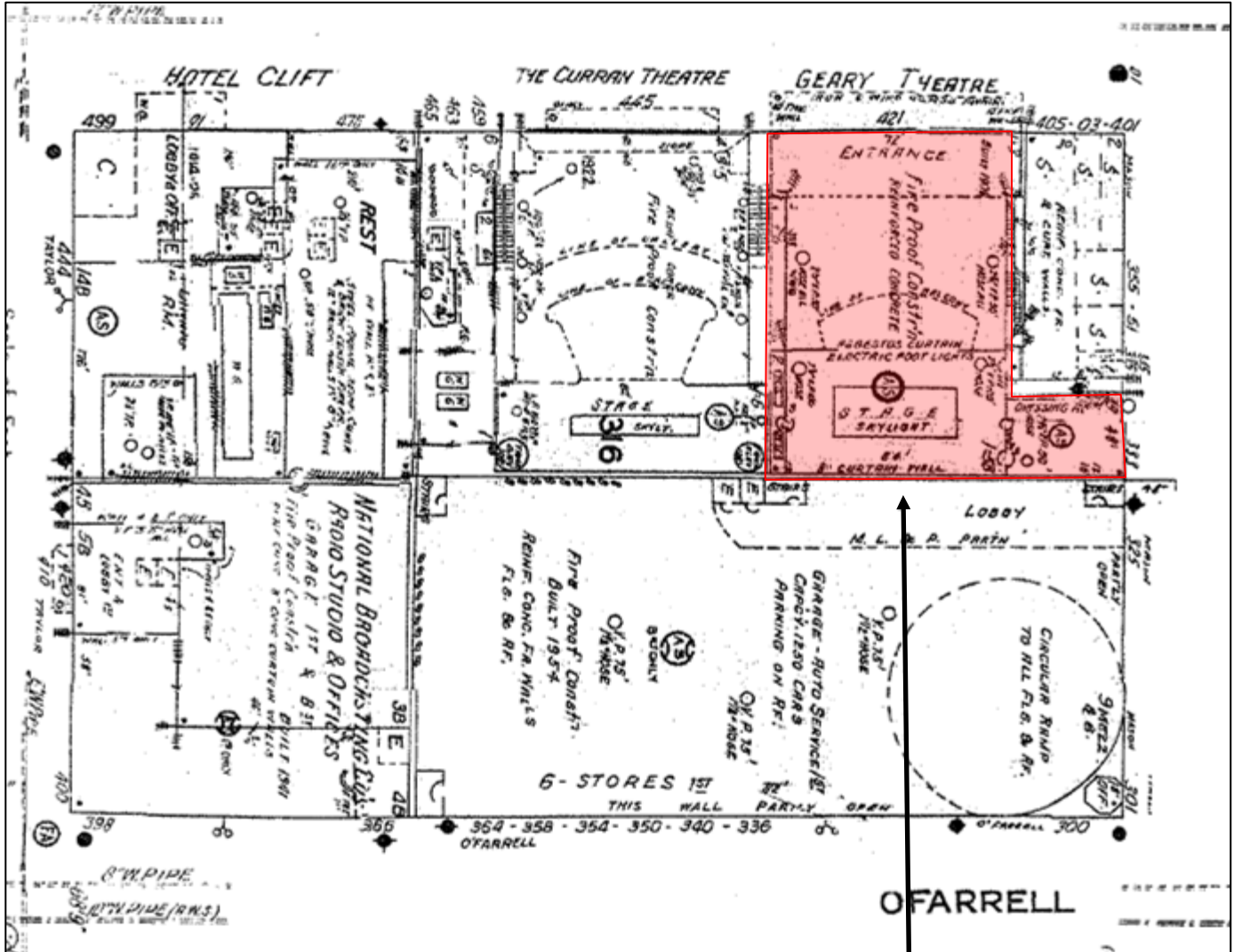
AYES:

NAYS:

ABSENT:

ADOPTED: July 6, 2011

Sanborn Map*



SUBJECT PROPERTY



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

Certificate of Appropriateness Request
 Case Number 2010.0015A
 Garry Theater & Annex – Landmark No. 82
 415 Garry Street/333 Mason Street

Aerial Photo

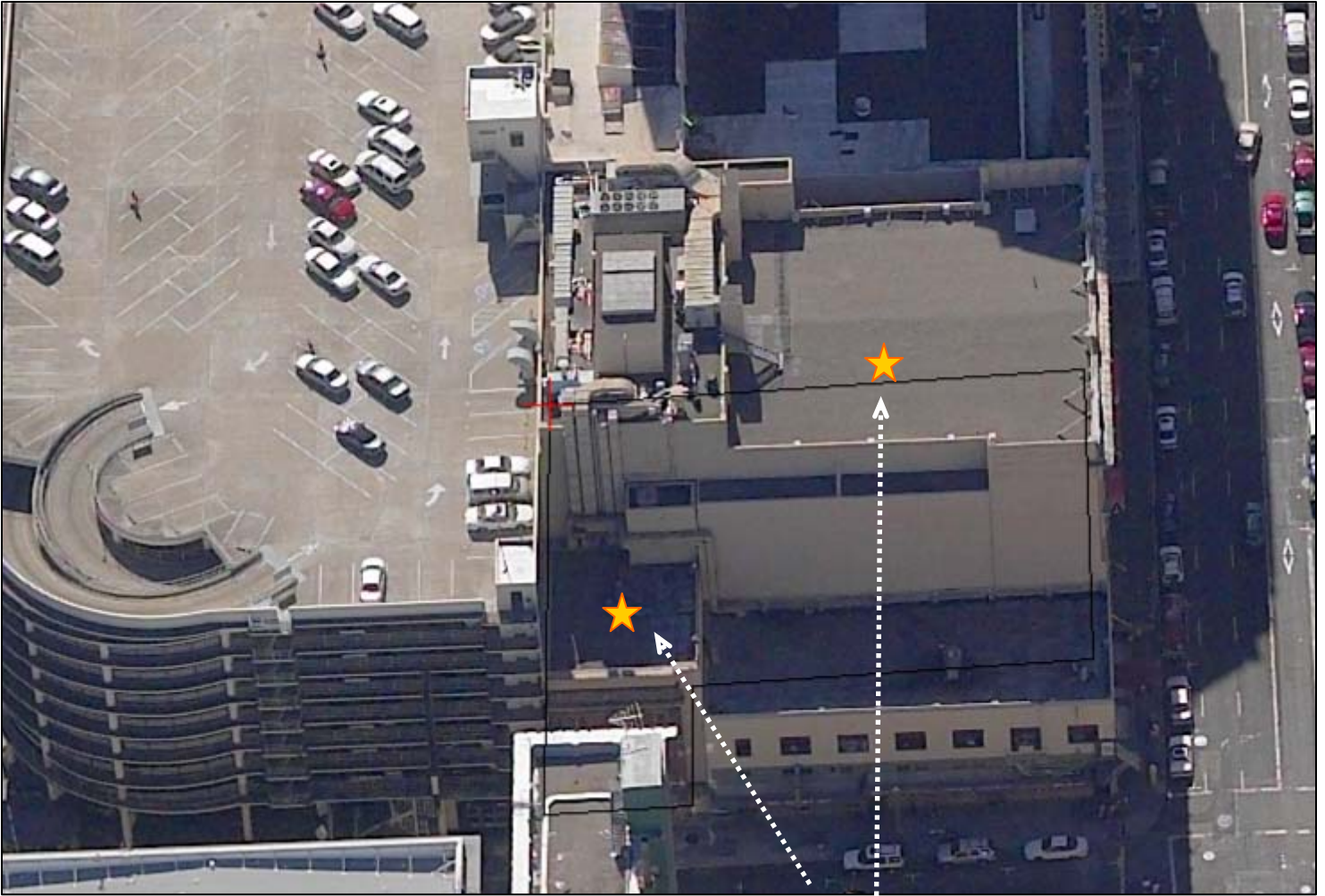


SUBJECT PROPERTY



Certificate of Appropriateness Request
Case Number 2010.0015A
Geary Theater & Annex – Landmark No. 82
415 Geary Street/333 Mason Street

Aerial Photo



SUBJECT PROPERTY



401-405 & 415 Geary Contextual Photos-2010.0015A



View South East on Geary from Geary and Taylor



View North East on Geary from Geary and Taylor



View South West on Mason from Mason and Geary

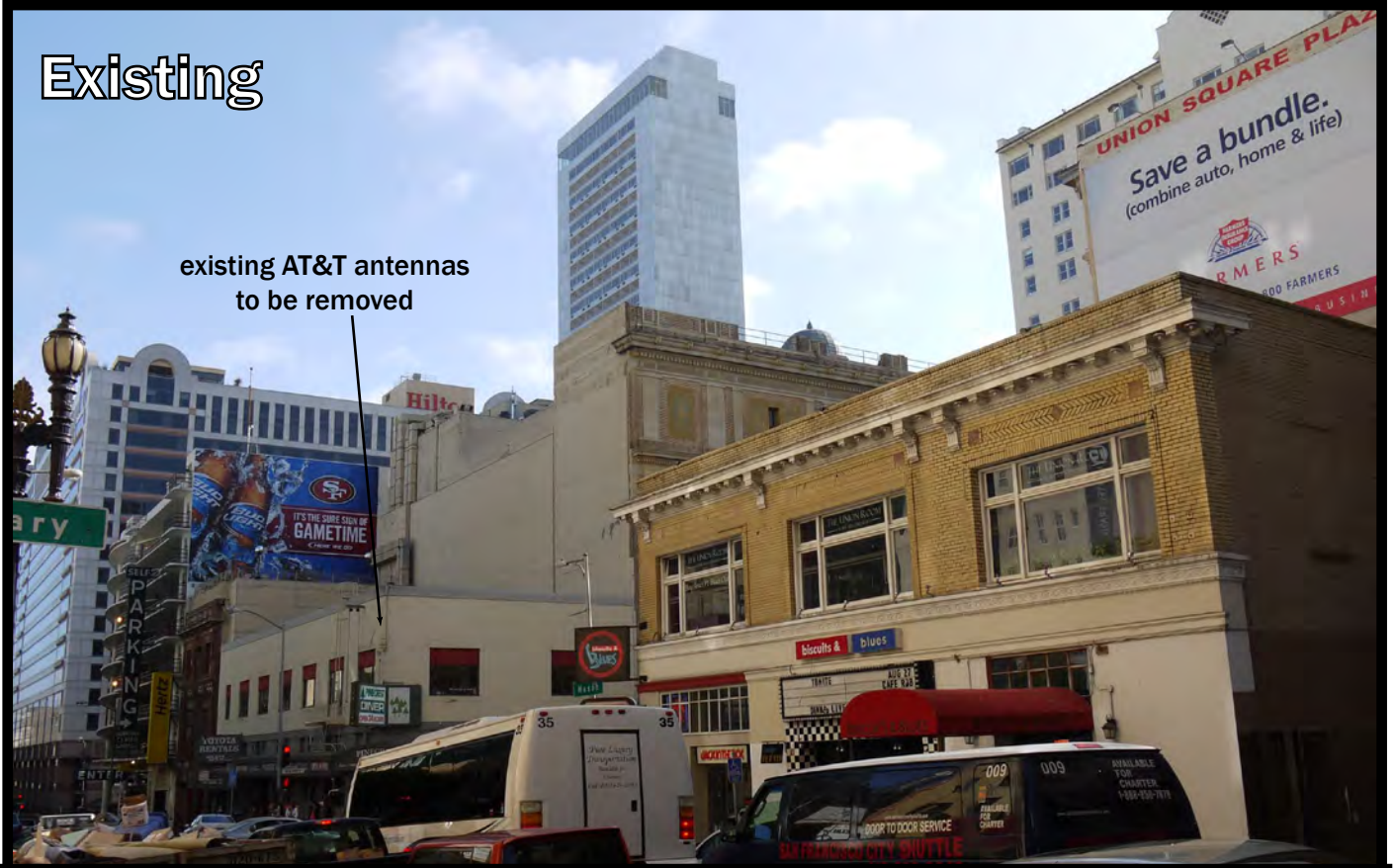


View South East on Mason from Mason and Geary



View North West on Geary from Mason and Geary

Existing



existing AT&T antennas
to be removed



at&t

SFA130

**American Conservatory
Theatre**

401-405 & 415 Geary St.
San Francisco, CA 94102

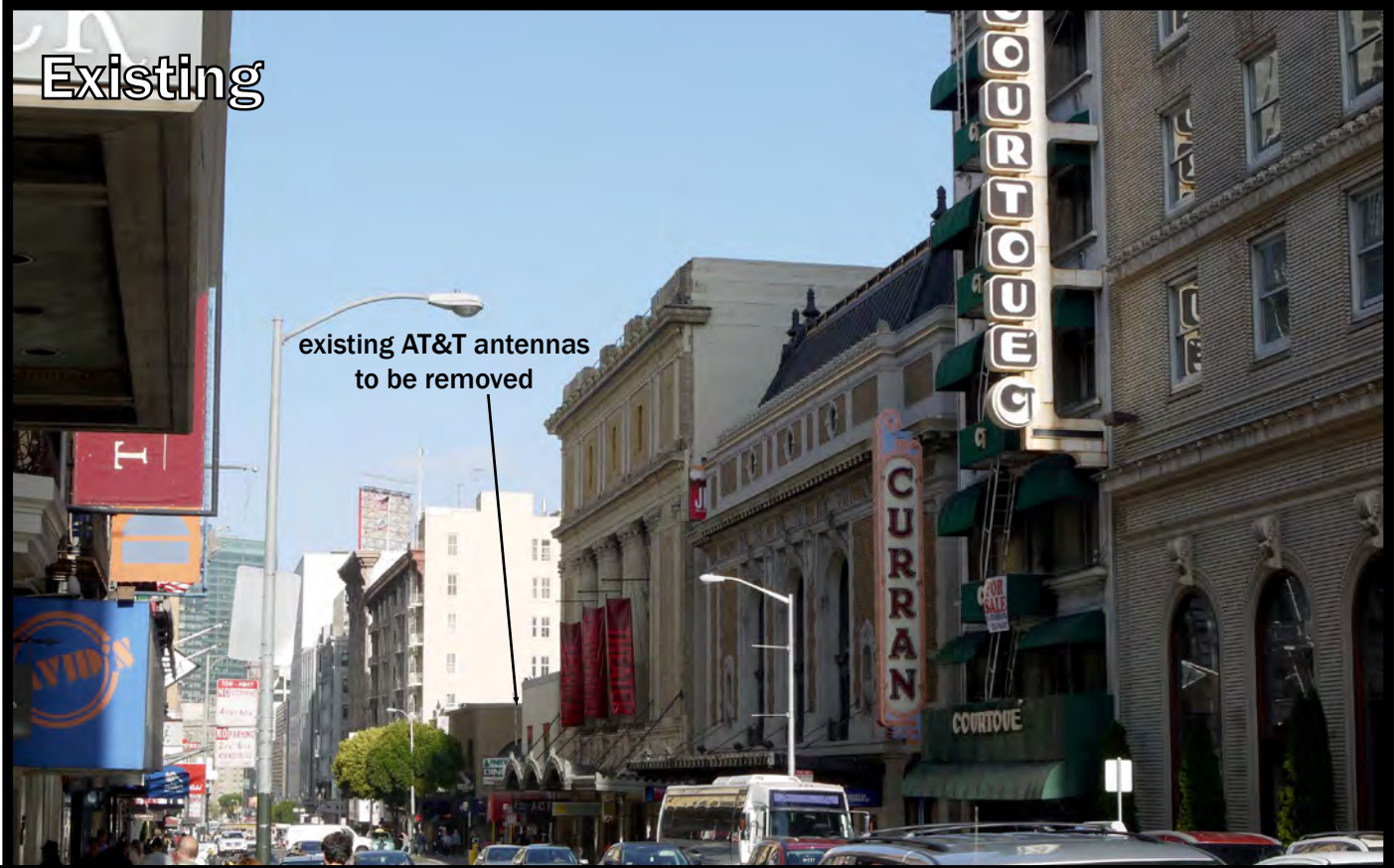
Proposed



proposed AT&T antennas

Photosimulation of the proposed telecommunication facility as seen looking southwest from Mason Street

Existing



existing AT&T antennas
to be removed



at&t

SFA130

American Conservatory
Theatre

401-405 & 415 Geary St.
San Francisco, CA 94102

Proposed



NOTE: no antennas visible from this viewpoint

Existing



at&t

SFA130

**American Conservatory
Theatre**

401-405 & 415 Geary St.
San Francisco, CA 94102

Proposed



proposed AT&T antennas



at&t

SFA130

AMERICAN CONSERVATORY THEATRE

401-405 & 415 GEARY ST.
SAN FRANCISCO, CA 94102



430 BUSH ST., 5TH FLOOR
SAN FRANCISCO, CA 94108

PROJECT INFORMATION:

SFA130

USID 12923
FA #1088093
CNU 3130
401-405 & 415 GEARY ST.
SAN FRANCISCO, CA 94102

CURRENT ISSUE DATE:

06/22/2011

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
2	06/22/11	CONSTRUCTION	EN
1	04/04/11	PERMIT	DC
0	03/02/11	90% CONSTRUCTION	JPC

CIVIL ENGINEER:



CONNELL DESIGN GROUP, LLC
CONSULTING CIVIL ENGINEERS
26455 RANCHO PKWY SOUTH, LAKE FOREST CA 92630
(949) 753-8807 OFFICE - (949) 753-8833 FAX
CDG#: 08-8034

DRAWN BY: CHK.: APV.:

JPC DC DC

LICENSER:

SHEET TITLE:

TITLE SHEET, SITE INFORMATION
AND VICINITY MAP

SHEET NUMBER:

T-1

APPROVALS

LANDLORD: _____
CONSTRUCTION MGR: _____
RF ENGINEER: _____
SITE ACQUISITION MANAGER: _____
ZONING MANAGER: _____
UTILITY COORDINATOR: _____
PROGRAM REGIONAL MANAGER: _____
NETWORK OPERATIONS MANAGER: _____

CONTRACTOR NOTES

DO NOT SCALE DRAWING:
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CODE COMPLIANCE

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

- CALIFORNIA CODE OF REGULATIONS
- 2010 CALIFORNIA BUILDING CODE
- 2010 CALIFORNIA MECHANICAL CODE
- 2010 CALIFORNIA PLUMBING CODE
- 2010 CALIFORNIA ELECTRIC CODE
- ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
- CITY/COUNTY ORDINANCES

HANDICAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 1103B.

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE REMOVAL OF (2) EXISTING ANTENNAS AND INSTALLATION OF (7) (N) PANEL ANTENNAS (7 TOTAL) FLUSH MOUNTED ON (E) THEATRE BUILDING PENTHOUSE & WALL. THE REMOVAL OF EXISTING EQUIPMENT CABINETS AND THE ADDITION OF FIVE NEW CABINETS INSIDE THE BASEMENT EQUIPMENT / STORAGE ROOM.

DRIVING DIRECTIONS

FROM AT&T OFFICE - 430 BUSH ST., SAN FRANCISCO

- HEAD EAST ON BUSH ST. TOWARD CLAUDE LN.
- TURN RIGHT AT MONTGOMERY ST.
- TURN RIGHT AT MARKET ST.
- SLIGHT RIGHT AT KEARNY ST.
- CONTINUE ONTO GEARY ST. ARRIVE AT SITE LOCATION ON THE LEFT HAND SIDE.

SHEET INDEX

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T-3	GENERAL NOTES & SPECIFICATIONS
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C-1	TOPOGRAPHIC SURVEY
A-1	SITE PLAN
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A-3	ANTENNA LAYOUT
A-4	EQUIPMENT LAYOUT
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A-6	NORTH ELEVATION
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E-4	GROUNDING DETAILS
E-5	LIGHTING PLAN, ALARM RELAY DIAGRAM, SURGE ARRESTOR SINGLE LINE

PROJECT INFORMATION

SITE ADDRESS: 401-405 & 415 GEARY ST.
SAN FRANCISCO, CA 94102

A.P.N.: 0316-001, 0316-001A

PROPERTY OWNER: AMERICAN CONSERVATORY THEATER FOUNDATION
30 GRANT AVE., 6TH FLOOR
SAN FRANCISCO, CA 94108

LATITUDE: 37°47'12.67" N
LONGITUDE: 122°24'36.80" W
ELEVATION: 69' FT ASML
ZONING: C-3-G
HEIGHT/BULK: 80-130-F
JURISDICTION: CITY OF SAN FRANCISCO
TYPE OF CONSTRUCTION: II
BUILDING USE 401-405 GEARY: RESTAURANT/RETAIL/OFFICE
BUILDING USE 415 GEARY: THEATRE
NUMBER OF STORIES: 1 STORY & 2 STORIES FOR 401-405
& 3 STORIES FOR 415
OCCUPANCY: B / A
TELEPHONE: AT&T
POWER: PG&E

VICINITY MAP



PROJECT TEAM

ARCHITECT/ENGINEER:
CONNELL DESIGN GROUP
26455 RANCHO PKWY SOUTH
LAKE FOREST, CA 92630
CONTACT: DAN CONNELL
OFFICE PHONE: (949) 753-8807
OFFICE FAX: (949) 753-8833
EMAIL: dconnell@connelldesigngroup.com

APPLICANT/LESSEE:
AT&T MOBILITY
430 BUSH ST., 5TH FLOOR
SAN FRANCISCO, CA 94108

SITE ACQUISITION:
EVAN SHEPHERD REIFF, MRP
AT&T AUTHORIZED REPRESENTATIVE
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108
PHONE: (415) 498-0755
E-MAIL: esreiff@gmail.com

ZONING MANAGER:
EVAN SHEPHERD REIFF, MRP
AT&T AUTHORIZED REPRESENTATIVE
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108
PHONE: (415) 498-0755
E-MAIL: esreiff@gmail.com

RF ENGINEER:
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430 BUSH ST., 5TH FLOOR
SAN FRANCISCO, CA 94108
CONTACT: NAREN PRABHAKAR
PHONE: (801) 635-4444
E-MAIL: np3568@att.com

CONSTRUCTION MANAGER:
ERICSSON
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108
CONTACT: EARL EARLEY
PHONE: (925) 595-6513
E-MAIL: EARL_EARLEY@ericsson.com

2.06 PERMIT APPLICATION CHECKLIST FOR CELLULAR ANTENNA SITES AND ALL EQUIPMENT SERVING THE CELLULAR ANTENNA SITE

THIS CHECKLIST SHALL BE PRINTED ON A DRAWING SHEET AND SUBMITTED AS PART OF THE PLANS SUBMITTED WITH ANY BUILDING PERMIT APPLICATION CREATING OR MODIFYING CELLULAR ANTENNA SITES REGARDLESS OF RF EMISSION QUANTITIES. THIS CHECKLIST IS DESIGNED TO ASSIST DESIGNERS, INSTALLERS, PLAN REVIEWERS, AND FIELD INSPECTORS. THIS CHECKLIST SHALL BE PREPARED BY THE DESIGN PROFESSIONAL AND SHALL BE STAMPED AND WET-SIGNED.

THIS DOCUMENT IS NOT ALL-INCLUSIVE OF ALL REQUIREMENTS FOR CELLULAR ANTENNA SITES AND IT IS THE RESPONSIBILITY OF THE DESIGNER TO RESEARCH THE APPLICABLE CODES. DOCUMENTS REFERENCED FOR THIS BULLETIN ARE AS FOLLOWS:

- FCC OET BULLETIN 56 – QUESTIONS AND ANSWERS ABOUT BIOLOGICAL EFFECTS AND POTENTIAL HAZARDS OF RADIO FREQUENCY ELECTROMAGNETIC FIELDS (AUGUST 1999)
- FCC OET BULLETIN 65 – EVALUATING COMPLIANCE WITH FCC GUIDELINES FOR HUMAN EXPOSURE TO RADIOFREQUENCY ELECTROMAGNETIC FIELDS (ED. 97-01:AUGUST 1997)
- FCC – A LOCAL GOVERNMENT OFFICIAL'S GUIDE TO TRANSMITTING ANTENNA RF EMISSION SAFETY: RULES, PROCEDURES, AND PRACTICAL GUIDANCE (JUNE 2, 2000)
- 2007 CALIFORNIA BUILDING CODE (2001 CBC)
- 2007 CALIFORNIA FIRE CODE (2001 CFC)
- 2007 CALIFORNIA MECHANICAL CODE (2001 CMC)
- 2007 SAN FRANCISCO FIRE CODE (2001 SFFC)
- 2002 NFPA 13 AUTOMATIC SPRINKLER SYSTEMS
- 2002 NFPA 72 NATIONAL FIRE ALARM CODE

COMPLETE, EXISTING OR N/A	SHEET LOCATION
COMPLETE	T-1
EXISTING	A-1 A-2
COMPLETE	T-1.1
COMPLETE	A-1
COMPLETE	T-1.3 A-1
N/A	N/A
COMPLETE	A-1 A-2
COMPLETE	N/A
COMPLETE	A-1 A-2

1. DESCRIPTION OF SCOPE OF WORK (BOTH ON THE APPLICATION AND PLANS) SHALL MATCH THE ACTUAL WORK BEING DONE.

2. PLANS SHALL INCLUDE PLAN VIEWS AND ELEVATIONS SHOWING ALL EQUIPMENT LOCATIONS AND CABLE RUNS.

3. SUBMIT ON A DRAWING SHEET THE SAN FRANCISCO HEALTH DEPARTMENT CELLULAR ANTENNA SITE (WTS) CHECKLIST/PROPOSAL/ENGINEER'S RF REPORT. THE FCC REQUIRES CARRIERS TO INFORM AND PREVENT OCCUPATIONAL EXPOSURE (I.E. BUILDING MAINTENANCE WORKERS, FIRE FIGHTERS, ETC.) THE RF REPORT SHALL NOT SPECIFY LOCKING THE ROOF ACCESS DOOR TO KEEP THE GENERAL PUBLIC OFF OF THE ROOF PER 2001 SFFC 1207.7.1. THE RF REPORT SHALL BE WET STAMPED AND SIGNED BY AN ENGINEER.

4. DRAWINGS SHALL REFLECT THE STRIPED/EXCLUSION AREAS PER THE ABOVE RF REPORT WITH A MINIMUM RADIUS BEING 1 FOOT.

5. NOTICE TO WORKERS WARNING SIGNAGE AS APPLICABLE PER THE ABOVE RF REPORT: SIGNAGE SHALL BE IN ENGLISH, CHINESE AND SPANISH; THE SIGNAGE SHALL BE PERMANENTLY MOUNTED AT THE STAIRWELL SIDE OF THE ROOF-ACCESS STAIRWELL, DOOR, IN THE FIRE CONTROL ROOM WITHIN PROXIMITY OF THE CELL-SITE SHUTDOWN SIGNAGE AND ANY OTHER SPACE NECESSARY TO WARN WORKERS (IE. PARAPETS, STREET SIDE OF FIRE ESCAPES); THE SIGNAGE SHALL BE CLEARLY LABELED AND VISIBLE FROM ANY DIRECTION OF APPROACH; THE SIGN SHALL BE WEATHERPROOF WITH CONTRASTING BACKGROUND AND LETTERING COLORS AND SHALL BE READABLE FROM AT LEAST FIFTEEN (15) FEET FROM THE SIGN; THERE IS A YELLOW TRIANGLE AROUND THE ANTENNA SYMBOL (SEE ANSI C95.2-1999); AND LOCATION AND SIGNAGE DETAIL WITH SITE SPECIFIC INFORMATION SHALL BE INCLUDED ON A DRAWING SHEET.

6. PROVIDE A QUANTITATIVE THREE-DIMENSIONAL PERIMETER OF THE RF LEVELS IF THE ANTENNAS APPEAR TO ENCROACH ON ANY MEANS OF EXITING.

7. CAMOUFLAGED ANTENNAS SHALL HAVE 4INCH X 4INCH SIGNAGE PERMANENTLY MOUNTED TO THE EXTERIOR OF THE RF SCREEN AS PROVIDED BELOW. THESE ANTENNAS SHALL ALSO HAVE THE STRIPPED EXCLUSION AREA TO THE FULLEST EXTENT OF THE ANTENNA LOCATION WITH A MINIMUM RADIUS OF 1 FOOT: THE SIGNAGE SHALL BE CLEARLY LABELED AND VISIBLE FROM ANY DIRECTION OF APPROACH EVEN IF ACCESS IS ACHIEVED FROM THE BUILDING FACE (I.E. LADDERS, CHERRY PICKER, ETC.); THE SIGN SHALL BE WEATHERPROOF WITH CONTRASTING BACKGROUND COLOR AND SHALL BE RECOGNIZABLE FROM AT LEAST FIFTEEN (15) FEET FROM THE SIGN; THE SIGN SHALL CONTAIN THE YELLOW TRIANGLE AROUND THE ANTENNA SYMBOL (SEE ANSI C95.2-1999); AND LOCATION AND SIGNAGE DETAIL SHALL BE INCLUDED ON A DRAWING SHEET.

8. PLANS SHALL SHOW WHETHER A NEW ELECTRICAL SERVICE IS INSTALLED FOR THE CELL SITE. IN GENERAL, BUILDINGS SHOULD ONLY HAVE ONE ELECTRICAL SERVICE. HOWEVER, WITH THE PRIOR APPROVAL OF THE SAN FRANCISCO FIRE DEPARTMENT AND THE ELECTRICAL INSPECTION DIVISION, BUILDINGS MAY HAVE ONE ADDITIONAL SERVICE TO SERVE ROOFTOP ANTENNA EQUIPMENT, PROVIDED A PERMANENT PLACARD IS PROVIDED AT THE LOCATION OF EACH SERVICE DISCONNECT STATING THE LOCATION OF THE OTHER AND IDENTIFYING THE EQUIPMENT SERVED BY EACH SERVICE.

9. PROVIDE ROUTE OF ALL CABLES FROM THEIR ORIGIN TO THE EQUIPMENT (PLAN, ELEVATION AND SECTION VIEWS). CABLES/WIRING SHALL NOT BE ALLOWED IN EXIT ENCLOSURES OR IN FRONT OF DRY STANDPIPES (2007 CBC 1020.1.1).

COMPLETE, EXISTING OR N/A	SHEET LOCATION
COMPLETE	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

10. EITHER:
 PROVIDE A MANUAL BATTERY DISCONNECT:
 * INSTRUCTIONAL SIGNAGE SHALL BE PROVIDED ON THE PROCEDURE TO DISCONNECT OR DE-ENERGIZE RADIO FREQUENCY (RF) SIGNAL FOR THE ABOVE MANUAL DISCONNECT FOR THE BATTERIES.

* SIGNAGE SHALL BE PERMANENTLY MOUNTED NEXT TO THE BATTERY'S ELECTRICAL PANEL AND CLEARLY LABELED IN A PHENOLIC LABEL WITH A WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1" HIGH WHITE LETTERING.

* THE ACTUAL BREAKER(S) SHALL BE A PHENOLIC LABEL (RED BACKGROUND AND WHITE LETTERING) WITH LETTERING NOT LESS THAN 1/8" HIGH.

* THE SIGNAGE SHALL ALSO BE LIKE POSTED IN THE FCC ROOM WITHIN PROXIMITY OF THE FIRE ALARM PANEL AND BUILDING'S MAIN ELECTRICAL ROOM WITHIN PROXIMITY OF THE MAIN SHUTOFF.

* A COPY OF THE SIGNAGE SHALL BE INCLUDED ON A DRAWING SHEET.
 * PROVIDE SFFD APPROVED KEY LOCK BOX FOR EQUIPMENT/ELECTRICAL ROOM FOR BATTERY/EQUIPMENT SHUTDOWN.

* THE PERMANENTLY MOUNTED LABEL ABOVE THE LOCK BOX SHALL READ "SFFD BATTERY DISCONNECT ACCESS KEY" AND SHALL BE A PHENOLIC LABEL WITH A RED BACKGROUND AND WHITE LETTERING.

* LOCATION AND LABEL OF THE KEY LOCK BOX SHALL BE INCLUDED ON A DRAWING SHEET.

OR:
 PROVIDE 24 HOUR/7 DAYS A WEEK TELEPHONE SERVICE CENTER SHUT-DOWN:

* PROVIDE INSTRUCTIONAL SIGNAGE FOR EMERGENCY SHUTDOWN OF THE CELL SITE INCLUDING TELEPHONE NUMBER AND CELL SITE IDENTIFICATION NUMBER.

* THE SIGN SHALL STATE THAT THERE IS NO MANUAL SHUT DOWN FOR THE CELL SITE AND TO CALL THE CONTACT NUMBER (THE NUMBER SHALL BE PRINTED ON THE SIGN) WITH THE SITE IDENTIFICATION NUMBER (THE NUMBER SHALL BE PRINTED ON THE SIGN) FOR IMMEDIATE SHUT-DOWN OF THE SITE 24HR/7DAYS A WEEK.

* THE SIGN SHALL ALSO STATE WHETHER OR NOT THE BACK-UP BATTERY POWER TO THE ANTENNAS IS ALSO SHUT-DOWN.

* THE SIGNAGE SHALL BE PERMANENTLY MOUNTED NEXT TO THE MAIN ELECTRICAL SHUT-OFF, IN THE FCC ROOM WITHIN CLOSE PROXIMITY TO THE FIRE ALARM PANEL, AT THE BATTERY CABINET AND AT THE EQUIPMENT ROOM.

* THE SIGN SHALL BE CLEARLY LABELED IN A PHENOLIC LABEL WITH A WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1" HIGH WHITE LETTERING.

* A COPY OF THE SIGNAGE SHALL BE INCLUDED ON A DRAWING SHEET.

11. IS A NEW HVAC SYSTEM BEING INSTALLED?

___ YES

* WHAT IS THE VOLUME OF REFRIGERANT USED BY THE COOLING UNIT(S)?

___ NO

* WHAT IS THE TYPE OF REFRIGERANT PER 2007 CMC? _____

* ASSURE COMPLIANCE WITH 2007 CFC SECTION 606.

___ NO

12. PLANS STATE SEQUENCE OF OPERATIONS FOR ANY NEW DETECTION, DAMPERS, OR FANS.

13. PLANS SHALL CLEARLY SHOW LOCATIONS OF BATTERIES AND BATTERY CABINETS.

14. PLANS SHALL STATE WHETHER THE BUILDING IS FULLY SPRINKLERED OR NOT.

15. IN FULLY SPRINKLERED BUILDINGS, EQUIPMENT ROOMS SHALL BE PROVIDED WITH SPRINKLERS IN ACCORDANCE WITH NFPA 13.

16. PROVIDE A TABLE ON A DRAWING SHEET SHOWING THE MANUFACTURER, MODEL, TYPE, AMOUNT (GALLONS OR POUNDS) OF ELECTROLYTE, FLOODED LEAD ACID, NI-CD, VRLA OR LI-ION. PLEASE SHOW DETAILED COMPLIANCE WITH 2007 CFC SECTION 608 ON THE DRAWING SHEETS. WHEN COMPLIANCE WITH SECTION 608 OF THE 2007 CALIFORNIA FIRE CODE IS REQUIRED, THE FOLLOWING ADDITIONAL INFORMATION SHALL BE PROVIDED:

* ROOFTOP BATTERY ROOMS EXCEEDING THE ABOVE REQUIREMENTS SHALL BE SEPARATED FROM THE BUILDING AND ANY OPENINGS AS SPECIFIED BY THE 2007 CBC AND CMC.

* PLANS STATE THAT A SEPARATE FIRE DEPARTMENT PERMIT WILL BE OBTAINED FROM SFFD HEADQUARTERS AT 698 2ND ST.

PREPARED BY: DANIEL CONNELL, PE STAMP

FIRM NAME: CONNELL DESIGN GROUP, LLC
 ADDRESS: 4685 MACARTHUR COURT, SUITE 480, NEWPORT BEACH, CA 92660
 PHONE NUMBER: 949-753-8807
 FAX NUMBER: 949-753-8833



430 BUSH ST., 5TH FLOOR
 SAN FRANCISCO, CA 94108

PROJECT INFORMATION:

SFA130

USID 12923
 FA #1088093
 CNU 3130
 401-405 & 415 GEARY ST.
 SAN FRANCISCO, CA 94102



CURRENT ISSUE DATE:

06/22/2011

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
2	06/22/11	CONSTRUCTION	EN
1	04/04/11	PERMIT	DC
0	03/02/11	90% CONSTRUCTION	JPC

CIVIL ENGINEER:

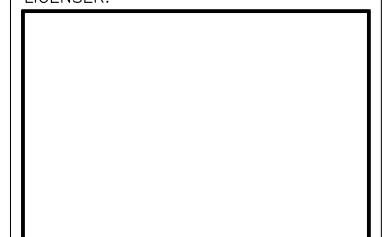


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 CDG#: 08-8034

DRAWN BY: CHK.: APV.:

JPC	DC	DC
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LICENSER:



SHEET TITLE:

FIRE DEPARTMENT CHECKLIST

SHEET NUMBER:

T-1.1



430 BUSH ST., 5TH FLOOR
SAN FRANCISCO, CA 94108

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USID 12923
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CDG#: 08-8034

DRAWN BY: _____ CHK.: _____ APV.: _____

JPC DC DC

LICENSER:

SHEET TITLE:

RF EXPOSURE LETTER / STRIPING
DETAILS

SHEET NUMBER:

T-1.2

AT&T Mobility • Base Station No. SFA130
405 Geary Street • San Francisco, California

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of AT&T Mobility, a personal wireless telecommunications carrier, to evaluate proposed modifications to its existing base station (Site No. SFA130) located at 405 Geary Street in San Francisco, California, for compliance with appropriate guidelines limiting human exposure to radio frequency ("RF") electromagnetic fields.

Background

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

Wireless Service	Frequency Band	Occupational Limit	Public Limit
Microwave (Point-to-Point)	3,000-80,000 MHz	5.00 mW/cm ²	1.00 mW/cm ²
BRS (Broadband Radio)	2,600	5.00	1.00
AWS (Advanced Wireless)	2,100	5.00	1.00
PCS (Personal Communication)	1,950	5.00	1.00
Cellular	870	2.90	0.58
SMR (Specialized Mobile Radio)	855	2.85	0.57
700 MHz	700	2.35	0.47
[most restrictive frequency range]	30-300	1.00	0.20

The site was visited by Mr. David Kelly, a qualified field technician contracted by Hammett & Edison, Inc., during normal business hours on December 9, 2010, a non-holiday weekday, and reference has been made to information provided by AT&T, including zoning drawings by Connell Design Group, LLC, dated March 1, 2011.

Checklist

- The location of all existing antennas and facilities at site. Existing RF levels.
AT&T had installed two omnidirectional antennas low on the northeast corner of the American Conservatory Theater, located at 405 Geary Street. There were observed no other wireless base stations installed at the site. Existing RF levels for a person at ground near the site were less than 1% of the most restrictive public exposure limit.
- The location of all approved but not installed antennas and facilities. Expected RF levels from approved antennas.
No other WTS facilities are reported to be approved for this site but not installed.

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

AT3130599
Page 1 of 4

AT&T Mobility • Base Station No. SFA130
405 Geary Street • San Francisco, California

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

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

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

AT&T proposes to remove its existing antennas and to install seven Andrew Model DBXNH-6565A-R2M directional panel antennas on the building, with up to 8° downtilt. Four antennas oriented toward 170°T would be mounted on the southern face of the penthouse above the upper roof, at an effective height of about 93½ feet above ground, 8 feet above the roof. The other three antennas, oriented toward 30°T, would be mounted on the northern face of the southeast section of the building, at an effective height of about 46 feet above ground, 17½ feet above the lower roof.

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

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

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

The maximum effective radiated power proposed by AT&T in any direction is 8,740 watts, representing simultaneous operation at 1,820 watts for AWS, 4,090 watts for PCS, 2,050 watts for cellular, and 780 watts for 700 MHz service.

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

The drawings show the proposed antennas to be installed as described in Item 4 above. There were noted several taller buildings located at least 170 feet from the antennas.

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 AT&T operation is calculated to be 0.028 mW/cm², which is 5.1% of the applicable public exposure limit. Ambient RF levels at the site are therefore estimated to be below 6% of the limit. The maximum calculated level at the adjacent parking structure to the south is 46% of the public exposure limit. The maximum calculated level at any other building nearby is 14% of the public exposure limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend

* Located at least 14 feet away, based on the drawings.

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SAN FRANCISCO

AT3130599
Page 2 of 4

AT&T Mobility • Base Station No. SFA130
405 Geary Street • San Francisco, California

up to 64 feet only from the antenna faces and to much lesser distances above, below, and to the sides, this includes areas on the roof of the building, but does not reach any publicly accessible areas.

Describe proposed signage at site.

Due to their mounting locations, the AT&T antennas would not be accessible to the general public, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. To prevent occupational exposures in excess of the FCC guidelines, no access within 23 feet directly in front of the antennas themselves, such as might occur during maintenance work on the roof, should be allowed while the base station is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Marking "Prohibited Access Areas" with red paint stripes out to the edge of the roof in front of the antennas on the penthouse and posting explanatory warning signs¹ at the roof access door and at 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.

Statement of authorship.

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 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.

¹ Warning signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (e.g., a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter; the San Francisco Department of Public Health recommends that all signs be written in English, Spanish, and Chinese.

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SAN FRANCISCO

AT3130599
Page 3 of 4

AT&T Mobility • Base Station No. SFA130
405 Geary Street • San Francisco, California

Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that the proposed operation of the AT&T Mobility base station located at 405 Geary Street in San Francisco, California, will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Marking roof areas and posting explanatory signs is recommended to establish compliance with occupational exposure limitations.

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

March 22, 2011

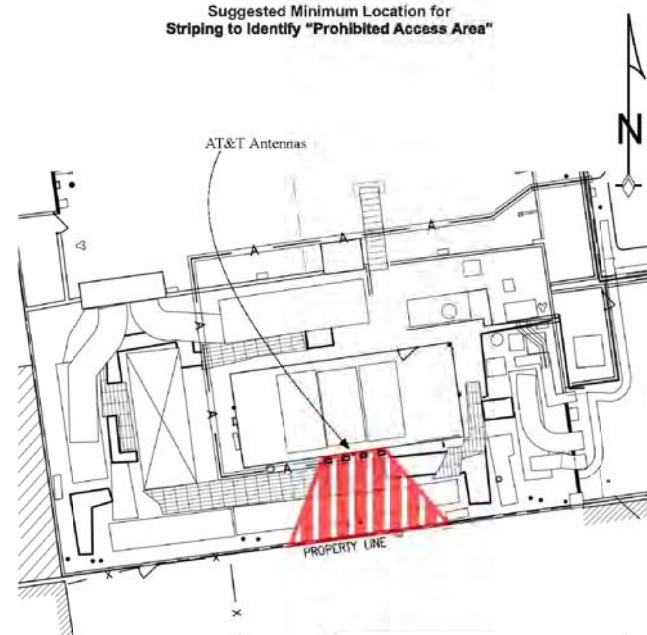


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SAN FRANCISCO

AT3130599
Page 4 of 4

AT&T Mobility • Base Station Site No. SFA130
405 Geary Street • San Francisco, California

Suggested Minimum Location for
Striping to Identify "Prohibited Access Area"



Note:
Base drawing from Connell Design Group, LLC, dated March 1, 2011.
"Prohibited Access Area" should be marked with red paint and explanatory warning signs should be posted outside the area, readily visible to authorized workers needing access. See text.

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

AT3130599
Figure 1



430 BUSH ST., 5TH FLOOR
SAN FRANCISCO, CA 94108

PROJECT INFORMATION:

SFA130

USD 12923
FA #1088093
CNU 3130

401-405 & 415 GEARY ST.
SAN FRANCISCO, CA 94102

CURRENT ISSUE DATE:

06/22/2011

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CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

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CIVIL ENGINEER:



CONNELL DESIGN GROUP, LLC

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CDG#: 08-8034

DRAWN BY: CHK.: APV.:

JPC	DC	DC
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LICENSER:

SHEET TITLE:

GENERAL NOTES &
SPECIFICATIONS

SHEET NUMBER:

T-3

CONCRETE NOTES:

- ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL.
- AGGREGATE FOR CONCRETE SHALL CONFORM TO ASTM C-33 STANDARDS.
- FLOOR SLABS SHALL CONFORM TO ASTM C-38 STANDARDS AND SHALL BE AT LEAST 3 1/2 INCHES THICK- SEE FOUNDATION PLANS FOR REINFORCEMENT, BASE, UNDERPAYMENT, VAPOR BARRIER OR OTHER SPECIFIC REQUIREMENTS.
- FLOOR SLABS SHALL BE LEVEL OR TRUE SLOPES AS SHOWN ON DRAWINGS. TOLERANCE: 1/8 INCH IN 10 FEET.
- ALL FOOTINGS HAVE BEEN DESIGNED BASED UPON AN ASSUMED SOIL BEARING PRESSURE OF 1,500 PSF UNLESS NOTED OTHERWISE.
- PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE.
- PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.
- ALL EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES SHALL BE CHAMFERED 3/4" UNLESS NOTED OTHERWISE.
- FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90 COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.
- PROVIDE CONCRETE SLABS OVER A 6 MIL POLYETHYLENE VAPOR BARRIER AND 4" OF POROUS FILL UNLESS NOTED OTHERWISE. % MAX. DRY DENSITY
- ALL POROUS FILL MATERIAL SHALL BE A CLEAN GRANULAR MATERIAL WITH 100 PER ASTM SIEVE. POROUS FILL SHALL BE COMPACTED TO 90%.
- WALKWAYS AND OTHER EXTERIOR SLABS ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS. SEE THE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS, ELEVATIONS, JOINTING DETAILS AND FINISH DETAILS. PROVIDE 4" WALKS REINFORCED WITH 6x6 - W1 .4xW1 .4 WWF UNLESS OTHERWISE NOTED.
- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CHAPTER 19 OF THE CBC AND TO ALL REQUIREMENTS OF ACI 301-96, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," EXCEPT AS SPECIFIED HEREIN.
- MIX DESIGN REQUIREMENTS: (UNLESS NOTED OTHERWISE)
 - CEMENT SHALL BE TYPE V.
 - COMPRESSIVE STRENGTH = 2,500 PSI
 - CONCRETE SLUMP SHALL NOT EXCEED 5".
 - WATER CEMENT RATIO = 0.45

STORM WATER POLLUTION PREVENTION NOTES:

STORMWATER POLLUTION PREVENTION DEVICES AND PRACTICES SHALL BE INSTALLED AND/OR INSTITUTED AS NECESSARY TO ENSURE COMPLIANCE TO THE LOCAL WATER QUALITY STANDARDS CONTAINED IN THE APPLICABLE MUNICIPAL CODES AND ANY EROSION CONTROL PLANS ASSOCIATED WITH THIS PROJECT. ALL SUCH DEVICES AND PRACTICES SHALL BE MAINTAINED, INSPECTED AND/OR MONITORED TO ENSURE ADEQUACY AND PROPER FUNCTION THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT.

COMPLIANCE TO THE WATER QUALITY STANDARDS AND ANY EROSION CONTROL PLAN ASSOCIATED WITH THIS PROJECT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING REQUIREMENTS:

- SEDIMENTS AND OTHER POLLUTANTS SHALL BE RETAINED ON SITE UNTIL PROPERLY DISPOSED OF, AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS SHALL BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND AND WATER FLOW.
- FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS SHALL BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM, NOR BE ALLOWED TO SETTLE OR INFILTRATE INTO SOIL.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTES.
- TRASH AND CONSTRUCTION SOLID WASTES SHALL BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICULAR TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITS SHALL BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- ANY SLOPES WITH DISTRIBUTED SOILS OR REMOVED VEGETATION SHALL BE STABILIZED TO INHIBIT EROSION BY WIND AND WATER.
- STORMWATER POLLUTION PREVENTION DEVICES AND/OR PRACTICES SHALL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES TO ENSURE EFFECTIVENESS.

FLASHING AND SHEET METAL

- ALL FLASHING, COUNTER FLASHING AND COPING WHEN OF METAL SHALL BE OF NOT LESS THAN NO. 26 U.S. GAUGE CORROSION-RESISTANT METAL.
- FLASH AND COUNTER FLASH AT ALL ROOF TO WALL CONDITIONS. G.I. FLASH AND CAULK WOOD BEAMS AND OUTLOOKERS PROJECTING THROUGH EXTERIOR WALLS OR ROOF SURFACES.
- FLASH ALL EXTERIOR OPENINGS WITH APPROVED WATERPROOFING, WHICH CONFORMS TO STANDARD OF LOCAL AND STATE CODES.
- ALL METAL MUST BE GALVANIZED AFTER FABRICATION.
- ALL SHEET METAL TO BE "A" MINIMUM 20 GAUGE.

SUSPENDED CEILING SYSTEM

- HANGERS SHALL BE ATTACHED TO THE BOTTOM EDGE OF THE WOOD TRUSSES AT PANEL POINTS OR TO THE VERTICAL FACE OF THE WOOD GLU-LAMS NEAR THE BOTTOM EDGE. BOTTOM EDGE ATTACHMENT DEVICES SHALL BE AN APPROVED TYPE. DO NOT INSTALL HANGERS FROM 2"x4" SUB-PURLINS.
- ALL LIGHT FIXTURES AND AIR DISTRIBUTION PRODUCTS SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100 PERCENT OF THE LIGHT FIXTURE WEIGHT ACTING IN ANY DIRECTION.
- NO. 12 GAUGE HANGERS SHALL BE ATTACHED TO THE GRID MEMBERS WITHIN 3" OF EACH CORNER OF EACH FIXTURE.
- LIGHTING FIXTURE WEIGHING MORE THAN 20 POUNDS BUT LESS THAN 56 POUNDS SHALL HAVE IN ADDITION TO THE REQUIREMENTS OUTLINED ABOVE, TWO NO. 12 GAUGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK. PROVIDE A TOTAL OF SIX WIRES PER LIGHT FIXTURE. SUSPENDED CEILING SYSTEM
- LIGHTING FIXTURES WEIGHING 56 POUNDS OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.

THERMAL & MOISTURE PROTECTION INSULATION

- COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE STATE ENERGY REGULATIONS.
- PROVIDE R-13 MINIMUM KRAFT-FACED BATT. INSULATION AT WALLS UNLESS NOTED OTHERWISE, AND R-19 MINIMUM AT CEILINGS TO COMPLETELY ENCLOSE EQUIPMENT ROOM. PLACE VAPOR BARRIERS ON WARM SIDE OF WALL.
- INSULATE WALLS BETWEEN EQUIPMENT ROOM AND ADJACENT ROOMS AND INSULATION WAREHOUSE. INSULATE BETWEEN JAMBS AND FRAMING, BEHIND HEADER JOISTS AND IN SOFFITS OVER EXTERIOR SPACE.
- PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ARCHITECT/ENGINEER, IF NECESSARY, BEFORE PROCEEDING. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.

DOORS

- PROVIDE SEAMLESS FLUSH TYPE DOORS, 18 GAUGE, WELDED CONSTRUCTION SHOP PRIMED, PREPARED FOR HARDWARE WITH TOP AND BOTTOM CLOSURES. WELD EXPOSED JOINTS CONTINUOUSLY, GRIND, DRESS AND MAKE SMOOTH, FLUSH AND INVISIBLE. PREPARE FRAME TO RECEIVE MORTISED AND CONCEALED FINISH HARDWARE DOOR FRAME.
- WHERE REQUIRED TO BE RATED, PROVIDE FIRE-RATED DOORS WITH UL LABEL ATTACHED IN AN INCONSPICUOUS LOCATION. WHERE DOORS ARE EXPOSED TO OUTSIDE WEATHER CONDITIONS. PROVIDE DOORS FABRICATED WITH G60 GALVANIZING.
- INTERIOR: 20 GAUGE THICK MATERIAL, COMMERCIAL SERIES "C", TO SUIT GRADE AND MODEL OF DOOR, LABELED FRAME WHERE REQUIRED.
- IN GENERAL INSTALL DOORS AND FRAMES IN ACCORDANCE WITH SDI 100 AND 105, RESPECTIVELY.
- DOORS SHALL BE WEATHER-STRIPPED AGAINST AIR INFILTRATION IN COMPLIANCE WITH TITLE 24 OF THE STATE ADMINISTRATION CODE.
- KEYING: ALL LOCKS ARE TO BE KEYED AS PER OWNERS INSTRUCTIONS.

PAINTING

- THE CONTRACTOR SHALL PREPARE SURFACES, FURNISH ALL PAINT, MATERIAL, LABOR AND EQUIPMENT REQUIRED FOR THE PAINTING OF ALL SURFACES AS REQUIRED.
- PAINTS TO BE APPLIED IN ALL WORKMANLIKE MANNER. UPON COMPLETION, REMOVE ALL MATERIALS AND DEBRIS CAUSED BY THIS CONTRACTOR, ALL HARDWARE, FLOORS, GLASS, FRAMES FIXTURES AND THE LIKE SHALL BE THOROUGHLY CLEANED OF PAINT.
- REGULATORY REQUIREMENTS: ALL MATERIALS MUST COMPLY WITH AIR POLLUTION CONTROL REGULATIONS, SUCH AS LA. COUNTY APCD RULE 1113 AND BAY AREA PCD REG. 3.
- ALL STEEL COLUMNS AND MISC. METALS SHALL BE PRIMED AND PAINTED.
- FIRE PREVENTION: TAKE EVERY PRECAUTION AT THE END OF THE DAY TO REMOVE OILY RAGS AND COMBUSTIBLE MATERIALS FROM THE SITE OR STORE IN METAL CONTAINER WITH TIGHT COVERS.
- FINAL TEXTURE & COLOR PER OWNERS INSTRUCTIONS.
- SHOP PAINTING: CONFORM TO AISC SPECIFICATION SEC M2 AND AISC CODE SEC. 6.5. DO NOT PRIME SURFACES TO BE FIREPROOFED. IN CONTACT WITH CONCRETE, OR FIELD WELDED. STEEL WORK TO BE CONCEALED BY INTERIOR BUILDING FINISH OR TO BE IN CONTACT WITH CONCRETE DOES NOT REQUIRE PAINTING. ALL OTHER STEELWORKS SHALL BE GIVEN ONE COAT OF SHOP PAINT.

TEST AND INSPECTIONS:

INSPECTIONS: ALL CONSTRUCTION IS SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL IN ACCORDANCE WITH CBC SEC. 108. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS WITH THE BUILDING OFFICIAL.

INSPECTION SUBMITTALS: SUBMIT COPIES OF ALL INSPECTION REPORTS TO THE ARCHITECT/ENGINEER FOR REVIEW.

STRUCTURAL OBSERVATION: STRUCTURAL OBSERVATION SHALL BE PROVIDED IN SEISMIC ZONE 3 OR 4 WHEN REQUIRED BY THE BUILDING OFFICIAL IN ACCORDANCE WITH CBC SEC. 1720 IF REQUIRED BY THE BUILDING OFFICIAL THE OWNER SHALL EMPLOY THE ENGINEER RESPONSIBLE FOR THE STRUCTURAL DESIGN TO PERFORM THE STRUCTURAL OBSERVATION AS DEFINED IN CBC SEC 220. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT/ENGINEER TO SCHEDULE FOR STRUCTURAL OBSERVATION

SPECIAL INSPECTION REQUIREMENTS:

- THIS SECTION APPLIES TO THE STRUCTURAL PORTIONS OF THE PROJECT REQUIRING SPECIAL INSPECTION. REFER TO CBC 1701.3 AND 1701.5 FOR SPECIAL INSPECTOR'S DUTIES.
- ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AND INSPECTION AGENCY EMPLOYED BY THE OWNER OR ARCHITECT AND NOT THE CONTRACTOR PER CBC SECTION 106.3.5.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SCHEDULE TO THE TEST AND INSPECTION FIRM TO FACILITATE THE PROPER COORDINATION OF WORK.
- PORTIONS OF WORK REQUIRING SPECIAL INSPECTION:

CONCRETE:
A. CONTINUOUS INSPECTION IS REQUIRED FOR ALL STRUCTURAL CONCRETE (EXCEPT FOUNDATION CONCRETE WITH 2500 PSI OR LESS)

B. PRIOR TO REQUESTING A FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT: 1) THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT 2) THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED 3) THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT

REINFORCING STEEL:
A. ALL REINFORCING STEEL SHALL BE SECURED IN POSITION AND INSPECTED BY THE BUILDING OFFICIAL PRIOR TO PLACING CONCRETE.

WELDING:
A. ALL STRUCTURAL WELDING EXCEPT WELDING IN APPROVED SHOPS PER CBC 1701.7.
B. REINFORCING STEEL WELDING PER CBC 1701.5.3.

BOLTING:
A. ADHESIVE ANCHORS IN CONCRETE OR MASONRY.
B. HIGH-STRENGTH BOLTING - THE INSPECTION OF HIGH STRENGTH A325 & A490 BOLTS SHALL BE IN ACCORDANCE WITH APPROVED NATIONALLY RECOGNIZED STANDARDS AND THE REQUIREMENTS OF SECTION 1701.6

RED SECTOR 1800 AND 850 A.%							
A1 RED	RED						
A2 RED/RED	RED	RED					
A3 RED/RED/RED	RED	RED	RED				
A4 RED/RED/RED/RED	RED	RED	RED	RED			
A5 RED/RED/RED/RED/RED	RED	RED	RED	RED	RED		
A6 RED/RED/RED/RED/RED/RED	RED	RED	RED	RED	RED	RED	
A7 WHITE/RED	WHITE	RED					
A8 WHITE/RED/RED	WHITE	RED	RED				

GREEN SECTOR 1800 AND 850 C.%							
C1 GREEN	GREEN						
C2 GREEN/GREEN	GREEN	GREEN					
C3 GREEN/GREEN/GREEN	GREEN	GREEN	GREEN				
C4 GREEN/GREEN/GREEN/GREEN	GREEN	GREEN	GREEN	GREEN			
C5 GREEN/GREEN/GREEN/GREEN/GREEN	GREEN	GREEN	GREEN	GREEN	GREEN		
C6 GREEN/GREEN/GREEN/GREEN/GR./GR.	GREEN	GREEN	GREEN	GREEN	GREEN	GREEN	
C7 WHITE/GREEN	WHITE	GREEN					
C8 WHITE/GREEN/GREEN	WHITE	GREEN	GREEN				

BLUE SECTOR 1800 AND 850 B.%							
B1 BLUE	BLUE						
B2 BLUE/BLUE	BLUE	BLUE					
B3 BLUE/BLUE/BLUE	BLUE	BLUE	BLUE				
B4 BLUE/BLUE/BLUE/BLUE	BLUE	BLUE	BLUE	BLUE			
B5 BLUE/BLUE/BLUE/BLUE/BLUE	BLUE	BLUE	BLUE	BLUE	BLUE		
B6 BLUE/BLUE/BLUE/BLUE/BLUE/BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	
B7 WHITE/BLUE	WHITE	BLUE					
B8 WHITE/BLUE/BLUE	WHITE	BLUE	BLUE				

ORANGE SECTOR 1800 AND 850 D.%							
D1 ORANGE	ORANGE						
D2 ORANGE/ORANGE	ORANGE	ORANGE					
D3 ORANGE/ORANGE/ORANGE	ORANGE	ORANGE	ORANGE				
D4 ORANGE/ORANGE/ORANGE/ORANGE	ORANGE	ORANGE	ORANGE	ORANGE			
D5 OR./OR./OR./OR./OR.	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE		
D6 OR./OR./OR./OR./OR./OR.	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	
D7 WHITE/ORANGE	WHITE	ORANGE					
D8 WHITE/ORANGE/ORANGE	WHITE	ORANGE	ORANGE				

(A) MAIN FEEDER MARKING GUIDE

BLUE SECTOR 1800 AND 850 B.%							
MAIN JUMPER							
B2 1900 JUMPER (SAME AS MAIN)	BLUE	BLUE					
B2 850 JUMPER (ADD ONE YELLOW BAND)	BLUE	BLUE	YELLOW				
B4 1900 JUMPER (CONNECTED TO TMA'S)	BLUE	BLUE	BLUE	BLUE	SLATE		
B4 850 JUMPER (ADD ONE YELLOW BAND)	BLUE	BLUE	BLUE	BLUE	YELLOW	SLATE	

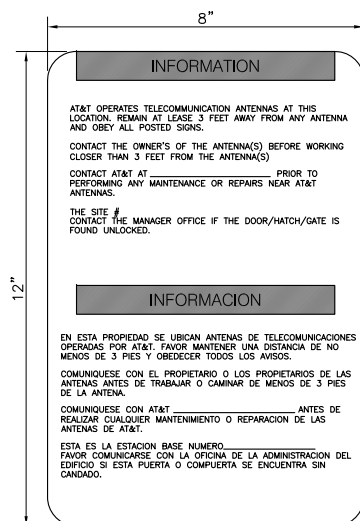
JUMPER MARKING GUIDE
EACH MAIN FEEDER MAY REQUIRE UP TO TWO JUMPERS IF A DIPLEXER IS USED. THEREFORE, IF IS NECESSARY TO CLEARLY MARK BOTH ENDS OF EACH JUMPER, THE JUMPER WILL CARRY THE SAME COLORED BAND AS THE MAIN FEEDER. 1 ADDITION, COLORED BANDS WILL BE ADDED TO COMMUNICATE THE FREQUENCY BAND AND ALSO THE PRESENCE OF AN INSTALLED TMA'S.

FREQUENCY BAND
NO DIPLEXER INSTALLED, 850 AND 1900 BANDS: REPEAT MAIN FEEDER MARKING, NO ADDITIONAL COLORS.
1900 BAND: REPEAT MAIN FEEDER MARKING, NO ADDITIONAL BANDS.
850 BAND: REPEAT MAIN FEEDER MARKING PLUS ADD ONE YELLOW BAND.

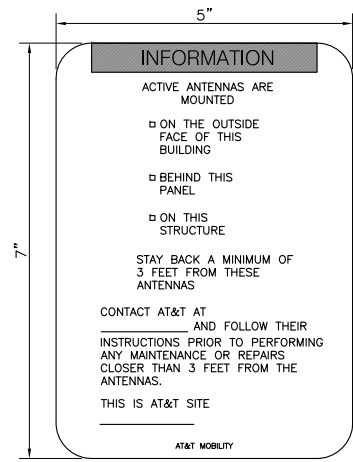
INSTALLED TMA'S
NO TMA'S INSTALLED: NO ADDITIONAL BANDS.
TMA'S INSTALLED: ADD ONE SLATE BAND.

(B) JUMPER MARKING GUIDE

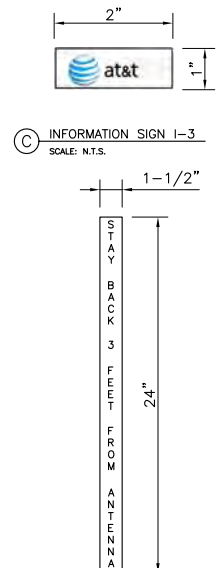
NOTE: CABLE TAGGING SHOWN PER BASE LINE STATION SITE DESIGN GUIDELINES LOS ANGELES MARKET VERSION 5.0 11/04/05



(A) INFORMATION SIGN 1-1
SCALE: 1/2" = 1"



(B) INFORMATION SIGN 1-2
SCALE: 3/4" = 1"



(C) INFORMATION SIGN 1-3
SCALE: N.T.S.

(D) INFORMATION SIGN 1-4
SCALE: 3/16" = 1"

- CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY DOCUMENT #03-0074, RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.
 - FABRICATION:
 - * SIGN 1-1: ENTRANCE DOOR, SEE DETAIL 1A, THIS SHEET
 - SIGN 1 IS TO BE MADE ON THE 50 MIL ALUMINUM SHEETING (SIZE 8 INCHES BY 12 INCHES) WITH FOUR (4) 1/4 INCH MOUNTING HOLES, ONE EACH CORNER OF THE SIGN FOR MOUNTING WITH HARDWARE WITH TIEWRAPS. THE MAIN BACKGROUND COLOR IS TO BE WHITE FRONT AND BACK WITH BLACK LETTERING.
 - THE INFORMATION BAND SHALL BE 1.2 INCH SOLID GREEN BAND WITH 0.5 INCH HIGH BLACK LETTERING. THE BODY TEXT SHALL BE IN BLACK LETTERING WITH 0.2 INCH HIGH LETTERS. THE REF LINE SHALL BE IN 1/8 INCH LETTERS.
 - THE PLACEMENT OF TEXT SHALL BE DONE IN A MANNER THAT WILL PERMIT EASY READING FROM DISTANCE OF APPROXIMATELY 6 FEET IN FRONT OF THE SIGN.
 - ALL PAINT WILL BE BAKED WITH ENAMEL WITH UV PROTECTIVE COATING OVER THE FACE OF THE SIGN.
- * SIGN 1-2: POLE, SEE DETAIL 1B, THIS SHEET
 - SIGN 2 MUST BE A NON-METALIC LABEL WITH AN ADHESIVE BACKING. THE LABEL SHALL BE MADE USING VINYL OR SIMILAR WEATHERPROOF MATERIAL. THE LABEL SHALL BE APPROXIMATELY 5 X 7 INCHES WITH A WHITE BACKGROUND AND BLACK LETTERING. THE GREEN BAND SHALL BE 1.375 INCH IN HEIGHT AND THE LETTERING SHALL BE BLACK WITH 0.75 INCH HIGH LETTERS. THE TEXT LETTERING SHALL BE BLACK WITH 1/8 INCH HIGH LETTERS. UV PROTECTION SHALL BE PLACED OVER THE FRONT OF THE LABEL.
 - * SIGN 1-3: BACK OF ANTENNAS, SEE DETAIL 1C & 3, THIS SHEET
 - SIGN 3 IS A 1 INCH X 2 INCH LABEL THAT CAN BE APPLIED TO THE BACK OR SIDE OF AN ANTENNA TO IDENTIFY IT AS A AT&T ANTENNA.
 - * SIGN 1-4: SIDE OF ANTENNAS, SEE DETAIL 1D & 3, THIS SHEET
 - SIGN 4 IS MADE FROM TRANSPARENT MATERIAL 1-1/2 INCHES WIDE AND 24 INCHES LONG. THE LETTERING IS TO BE BLACK WITH 1/2 INCH LETTERING IN A VERTICAL COLUMN. THE SPACING BETWEEN WORDS MUST BE SUCH THAT IT IS EASILY READ AND FILLS THE LENGTH OF THE SIGN.

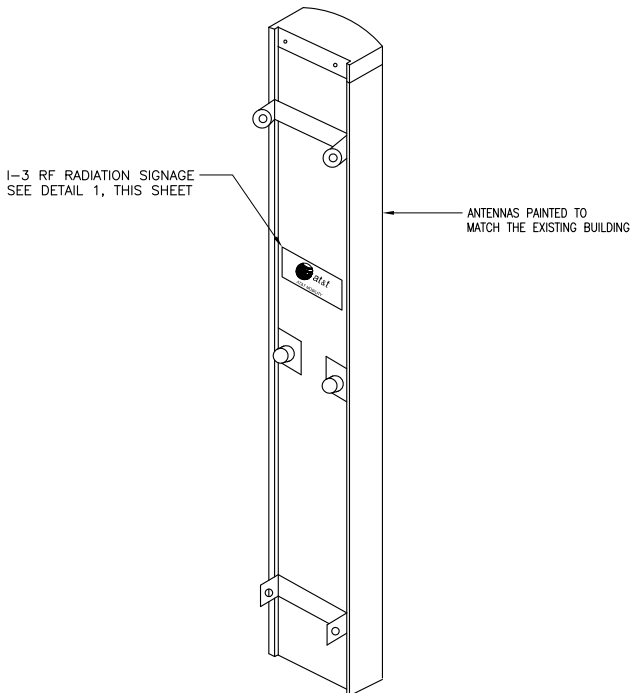
CABLE TAGGING GUIDE

THIS EMERGENCY CONTACT INFORMATION SHALL BE POSTED AT THE SITE:

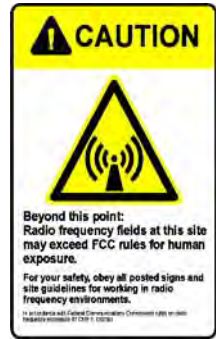
AT&T MOBILITY 24/7 EMERGENCY CONTACT NUMBER
1-800-832-6662

24/7 EMERGENCY CONTACT INFORMATION

4 INFORMATION SIGNAGE



5 ANTENNA SIGNAGE DETAIL



- NOTE:**
- CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY DOCUMENT # 03-0074, RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.
 - CONTRACTOR SHALL CONTACT AT&T R-RFSC FOR INFORMATION ON MPE LEVELS AND INSTRUCTIONS ON LEVEL AND LOCATION OF SIGNAGE.

SCALE: N.T.S.

3

NOTICE SIGNAGE

SCALE: N.T.S.

2



430 BUSH ST., 5TH FLOOR
SAN FRANCISCO, CA 94108

PROJECT INFORMATION:

SFA130
USID 12923
FA #1088093
CNU 3130
401-405 & 415 GEARY ST.
SAN FRANCISCO, CA 94102

CURRENT ISSUE DATE:

06/22/2011

ISSUED FOR:

CONSTRUCTION

REV. DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
2	06/22/11	CONSTRUCTION	EN
1	04/04/11	PERMIT	DC
0	03/02/11	90% CONSTRUCTION	JPC

CIVIL ENGINEER:



DRAWN BY: CHK.: APV.:

JPC DC DC

LICENSER:

SHEET TITLE:

SIGNAGE & CABLE TAGGING GUIDE

SHEET NUMBER:

T-4

GENERAL NOTES:

- DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.
- PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE (N) PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS AND CONFIRM THAT THE PROJECT MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
- THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS DOCUMENTS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
- GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS FOR USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE STRUCTURAL COMPONENTS OF THIS PROJECT SITE/FACILITY ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
- DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.
- SEAL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED FIRE STOPPING AND FIRE MARSHAL APPROVED MATERIALS IF APPLICABLE TO THIS FACILITY AND OR PROJECT SITE.
- PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- CONTRACTOR SHALL SEE TO IT THAT GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION; DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH; AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.
- CONTRACTOR MUST PERFORM WORK DURING OWNER'S PREFERRED HOURS TO AVOID DISTURBING NORMAL BUSINESS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.
- THE CONTRACTOR SHALL VERIFY THE NUMBER AND LOCATION OF ALL EQUIPMENT ANCHORS WITH THE EQUIPMENT MANUFACTURERS.
- PROVIDE YELLOW PAINTED WARNING STRIPING PER AT&T WIRELESS ON ROOF AS SHOWN ON PLAN. PROVIDE WARNING SIGNS PER AT&T WIRELESS'S REQUIREMENTS.
- PROVIDE TRACESS BOX WITH LOCATION PER AT&T WIRELESS CONSTRUCTION COORDINATOR.
- PROVIDE SPRING LOADED SAFETY CLIMBING BAR AT TOP OF LADDER UNDER ROOF HATCH.

TENANT IMPROVEMENT NOTES:

- PROVIDE DOORS AND FRAMES COMPLYING WITH STEEL DOOR INSTITUTE "RECOMMENDED" SPECIFICATIONS FOR STANDARDS STEEL DOOR AND FRAMES" (SDI 100), AND AS HEREIN SPECIFIED.
 - WHERE FIRE-RATED DOOR ASSEMBLIES ARE INDICATED OR REQUIRED, PROVIDE FIRE-RATED DOOR AND FRAME ASSEMBLIES THAT COMPLY WITH NFPA 80 "STANDARD FOR FIRE DOORS AND WINDOWS", AND HAVE BEEN TESTED, LISTED AND LABELED IN ACCORDANCE WITH ASTM E 152 "STANDARD METHODS OF FIRE TESTS OF DOOR ASSEMBLIES" BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING AND INSPECTION AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
 - HOT-ROLLED STEEL SHEETS AND STRIP: COMMERCIAL QUALITY CARBON STEEL, PICKLED AND OILED, COMPLYING WITH ASTM A 569 AND ASTM A 568.
 - COLD-ROLLED STEEL SHEETS: COMMERCIAL QUALITY CARBON STEEL, COMPLYING WITH ASTM A 366 AND ASTM A 568.
 - SUPPORTS AND ANCHORS: FABRICATE OF NOT LESS THAN 16 GAGE SHEET STEEL.
 - INSERTS, BOLTS AND FASTENERS: MANUFACTURE'S STANDARD UNITS COMPLYING WITH ASTM A 153, CLASS C OR D AS APPLICABLE.
 - SHOP-APPLIED PAINT: FOR STEEL SURFACES USE RUST-INHIBITIVE ENAMEL OR PAINT, EITHER AIR-DRYING OR BAKING, SUITABLE AS A BASE FOR SPECIFIED FINISH PAINTS.
 - FABRICATE HOLLOW METAL UNITS TO BE RIGID, NEAT IN APPEARANCE AND FREE FROM DEFECTS, WARP OR BUCKLE. WHEREVER PRACTICAL, FIT AND ASSEMBLE UNITS IN THE MANUFACTURER'S PLANT. WELD EXPOSED JOINTS CONTINUOUSLY, GRIND AND MAKE SMOOTH, FLUSH AND INVISIBLE. METALLIC FILLER TO CONCEAL MANUFACTURING DEFECTS IS NOT ACCEPTABLE.
 - COMPLY WITH SDI-100 REQUIREMENTS AS FOLLOWS: INTERIOR DOORS SHALL BE SDI-100, GRADE II, HEAVY DUTY, MODEL 1, MINIMUM 18 GAGE FACES.
 - EXPOSED FASTENERS: UNLESS OTHERWISE INDICATED, PROVIDE COUNTERSUNK FLAT PHILLIPS OR JACKSON HEADS FOR EXPOSED SCREWS AND BOLTS.
 - FINISH HARDWARE PREPARATION: PREPARE HOLLOW METAL UNITS TO RECEIVE MORTISE AND CONCEALED FINISH HARDWARE, INCLUDING CUTOOTS, REINFORCING, DRILLING AND TAPPING IN ACCORDANCE WITH FINAL FINISH HARDWARE SCHEDULE AND TEMPLATES PROVIDED BY HARDWARE SUPPLIER. COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI A 115 "SPECIFICATIONS FOR DOOR AND FRAME PREPARATION".
 - PROVIDE STEEL REINFORCING AT HINGES IN HOLLOW METAL UNITS TO BE 7 GAGE x 10 1/2" x WIDTH REQUIRED.
 - PROVIDE HOLLOW METAL DOORS OF THE TYPES INDICATED ON THE DRAWINGS AND COMPLYING WITH SDI-100 MINIMUM MATERIALS AND CONSTRUCTION REQUIREMENTS.
 - PROVIDE HOLLOW METAL FRAMES OF THE TYPES AND STYLES INDICATED ON THE DRAWINGS AND COMPLYING WITH SDI 100. PROVIDE 16 GAGE FRAMES AT INTERIOR LOCATIONS.
- NOTE: DOOR SHALL BE OPERABLE FOR EXITING FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY OTHER SPECIAL DEVICE.

TELEPHONE SERVICE PROVIDER NOTES:

- CONDUIT:**
- PROVIDE ONE 2" MINIMUM DIAMETER DUCT OF APPROVED MATERIAL
 - WITHIN OR ON BUILDINGS USE RIGID GALVANIZED STEEL (WHEN REQUIRED), OR ELECTRO-METALLICA TUBING (EMT)
 - IN UNDERGROUND - PVC SCHEDULE 40 OR EQUIVALENT FOR STRAIGHT SECTIONS, USE PVC SCHEDULE 80 FOR ALL BENDS
 - PROVIDE PULL ROPES IN ALL DUCTS (MIN 3/8" POLY PULL ROPE) AND A MEASURING TAPE MUST BE IN PLACE TO DETERMINE "AS-BUILT" CONDUIT LENGTH; BOTH MUST BE ONE CONTINUOUS PIECE
 - CONDUIT BENDS MUST HAVE A RADIUS 10 TIMES CONDUIT SIZE (20")
 - WITHIN OR ON BUILDINGS:
 - ELECTRICAL LB'S AND CONDULETS ARE NOT ACCEPTABLE AS PULL BOXES
 - NO 90 DEGREE TRANSITIONS AT OR IN PULL BOXES (UNLESS A 10" BENDING RADIUS CAN BE MAINTAINED)
 - IN-LINE PULL BOX MINIMUM DIMENSIONS = 24"L x 6"W x 6"D 30"L x 6"W x 6"D PREFERRED
 - PULL BOXES MUST BE EASILY ACCESSIBLE (TELEPHONE COMPANY WILL NOT REMOVE CEILING TILES)
 - VERTICAL SECTIONS OF CONDUIT WILL REQUIRE A PULL BOX EVERY 100 FEET AND APPROVED RESTRAINTS
 - MAXIMUM OF 300 FEET HORIZONTAL BETWEEN PULL BOXES
 - MAXIMUM OF 2-90 DEGREE BENDS BETWEEN PULL BOXES
 - MINIMUM CONDUIT BEND RADIUS OF 10 CABLE DIAMETERS (12")
 - FIRE STOPPING REQUIRED WHEN OPENINGS ARE MADE IN ANY FIRE RATED BARRIER
 - ALL EXTERNAL CONDUIT TERMINATIONS SHALL BE WEATHER TIGHT
 - IN UNDERGROUND CONSTRUCTION
 - CONDUIT LENGTH MAXIMUM OF 300 FEET BETWEEN PULL BOXES
 - CONDUIT BENDS MUST HAVE A RADIUS 10 TIMES CONDUIT SIZE (20")
 - MAXIMUM OF 2-90 DEGREE BENDS BETWEEN PULL BOXES
- TRENCHING:**
- MINIMUM COVERAGE OF DUCT ON PRIVATE PROPERTY = 18" UNDER PAVED SURFACE OR AS SPECIFIED BY PERMITTING OWNER/AGENT
 - MINIMUM COVERAGE OF DUCT OF PRIVATE PROPERTY = 24" UNDER DIRT SURFACE OR AS SPECIFIED BY PERMITTING OWNER/AGENT
 - MINIMUM COVERAGE OF DUCT IN PUBLIC R/W = 30" BELOW GUTTER GRADE OR AS SPECIFIED BY PERMITTING AGENT
 - MINIMUM 12" CONDUIT SEPARATION IN JOINT TRENCH BETWEEN POWER AND TELCO
 - PULL BOXES - MINIMUM 17"W x 30"L
 - SPLICE BOXES WILL BE SIZED BY SERVING TELEPHONE COMPANY; DETAILS WILL BE PROVIDED BY TELEPHONE COMPANY OR INTERCONNECT ENGINEER

BONDING AND GROUNDING:

#6 AWG SOLID COPPER INSULATED GROUND WIRE (24" COILED IN TELCO SERVICE BOX) WITH BONDING CLAMPS IN PLACE. THE TELEPHONE GROUND MUST BE BONDED TO THE POWER GROUND. THE TELEPHONE SERVICE CABINET MUST BE BONDED TO THE TELEPHONE GROUND WIRE. ANY QUESTIONS REGARDING TELEPHONE GROUNDS SHOULD BE REFERRED TO THE INTERCONNECT ENGINEER.

SEALANTS & CAULKING:

- PROVIDE JOINT SEALERS, JOINT FILLERS AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATIONS. PROVIDE COLORS TO MATCH ADJACENT SURFACES. PROVIDE BLACK OR OTHER NEUTRAL COLOR WHEN NO OTHER COLOR IS AVAILABLE.
- ONE-COMPONENT POLYSULFIDE BASED, ONE PART ELASTOMERIC SEALANT, COMPLYING WITH FS TT-S-00230, CLASS A TYPE II (NON-SAG), FOR JOINTS AT PENETRATIONS THROUGH EXTERIOR WALLS. PROVIDE COMPOUND BEARING THE THIOCOL CHEMICAL CORPORATION SEAL OF APPROVAL. PROVIDE ONE OF THE FOLLOWING OR AN APPROVED EQUAL: FLEXISEAL 900 SERIES BY DAP, INC. HORNFLEX ONE - COMPONENT BY W.R. GRACE & CO.
- ONE-COMPONENT ACRYLIC SEALANT: ACRYLIC TERPOLYMER, SOLVENT BASED ONE-PART THERMOPLASTIC SEALANT COMPOUND, SOLIDS NOT LESS THAN 95% ACRYLIC, COMPLYING WITH FS TT-S-00230, CLASS B TYPE II, FOR PERIMETER OF METAL AND DOOR FRAMES, THRESHOLDS AT EXTERIOR DOORS, AND PIPE SLEEVES THROUGH EXTERIOR WALLS AND FLOOR SLABS. PROVIDE ONE OF THE FOLLOWING OR AN APPROVED EQUAL: DAP ACRYLIC BY DAP, INC. GACO AS-3 BY GATES ENGINEERING/SMC
- OLEO-RESINS CAULKING COMPOUND: OIL BASED RESINOUS CAULKING, COMPLYING WITH FS TT-C-598, NON-BLEEDING, PAINTABLE, FOR ONE OF THE FOLLOWING OR AN APPROVED EQUAL: VULCATEX BY W.R. GRACE & CO.

FINISHES:

- GYPSUM DRYWALL-09260
- MANUFACTURER: FOR ALL GYPSUM DRYWALL SYSTEMS THROUGHOUT THE PROJECT, PROVIDE DRYWALL MATERIALS, INCLUDING ACCESSORIES AND FASTENERS PRODUCED BY ONE MANUFACTURER. PROVIDE GYPSUM DRYWALL SYSTEMS MANUFACTURED BY ONE OF THE FOLLOWING OR AN APPROVED EQUAL: A. GEORGIA-PACIFIC CORPORATION B. NATIONAL GYPSUM COMPANY C. U.S. GYPSUM COMPANY
 - TOLERANCES FOR DRYWALL WORK: DO NOT EXCEED A VARIATION OF 3/16" IN 8'-0" AND 1/8" IN 4'-0" FROM PLUMB, LEVEL AND FLAT (ALL DIRECTIONS), AND DO NOT EXCEED 1/16" OFFSET OF PLANES AT JOINTS BETWEEN PANELS. SHIM PANELS AS NECESSARY TO COMPLY WITH TOLERANCES.
 - STUDS AND RUNNERS : SCREW-TYPE COMPLYING WITH ASTM C 645. PROVIDE STUDS OF THE SIZE INDICATED WITH RUNNERS OF COMPATIBLE SIZE FOR FRICTION TO STUDS.
 - FOR PROTECTION OF EXPOSED WALLBOARD EDGES AROUND OPENINGS, PROVIDE SQUARE NOSE METAL CASING BEAD WITH EITHER KNURLED AND PERFORATED OR EXPANDED FLANGES FOR NAILING OR STAPLING, AND BEADED FOR CONCEALMENT OF FLANGES IN JOINT COMPOUND.
 - JOINT TAPES: ADHESIVE WITH OR WITHOUT FILLERS COMPLYING WITH ASTM C 475. PROVIDE JOINT FILLERS IN DRY POWDER FORM OR PREMIXED READY FOR APPLICATION.
 - APPLY JOINT COMPOUND IN 3 COATS (NOT INCLUDING PREFILL OF OPENING IN BASE), AND SAND BETWEEN LAST 2 COATS AND AFTER LAST COAT.
 - FASTENERS: PROVIDE THE TYPE AND SIZE RECOMMENDED BY THE DRYWALL MANUFACTURER FOR THE APPLICATION SHOWN.

PAINTING

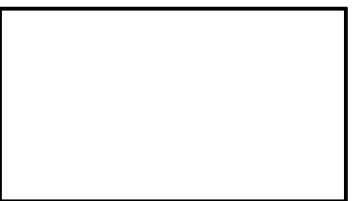
- PAINT COLORS SHALL BE SELECTED BY CONSTRUCTION MANAGER.
- PROVIDE THE BEST QUALITY GRADE OF COATINGS AS REGULARLY MANUFACTURED BY APPROVED PAINT MATERIAL MANUFACTURERS. MATERIALS NOT DISPLAYING THE MANUFACTURER'S IDENTIFICATION AS A STANDARD BEST-GRADE PRODUCT WILL NOT BE ACCEPTABLE.
- PROVIDE UNDERCOAT PAINT PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COATS. USE ONLY THINNERS APPROVED BY THE PAINT MANUFACTURER AND USE ONLY WITHIN RECOMMENDED LIMITS.
- COMPLETELY COVER TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH COLOR, APPEARANCE AND COVERAGE. CLOUDINESS, SPOTTING, HOLIDAYS LAPS, BRUSH MARKS, RUNS, SAGS, ROFINESS OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.
- ZINC COATED METAL: PRIMER COAT: LATEX PRIMER. FINISH COATS: SEMI-GLOSS, ALKYD ENAMEL.
- FERROUS METALS (WHERE APPLICABLE): SHOP PRIMED: TOUCH UP COAT: RED OXIDE METAL PRIMER. FINISH COATS: SEMI-GLOSS, ALKYD ENAMEL.
- MASONRY OR CONCRETE: PRIMER COAT: CEMENTITIOUS BLOCK FILLER. FINISH COATS: SEMI-GLOSS, ALKYD ENAMEL.
- GYPSUM DRYWALL: PRIMER COAT: LATEX PRIMER. FINISH COATS: SEMI-GLOSS, ALKYD ENAMEL.
- PAINTS USED TO COVER THE ANTENNAS SHALL HAVE NO METALLIC INGREDIENTS.



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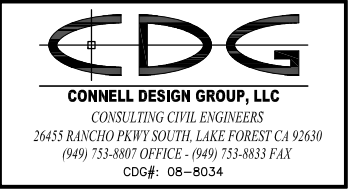
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REV. DATE DESCRIPTION BY:

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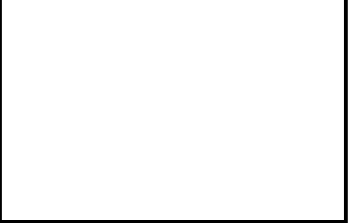
CIVIL ENGINEER:



DRAWN BY: CHK.: APV.:

JPC	DC	DC
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LICENSER:



SHEET TITLE:

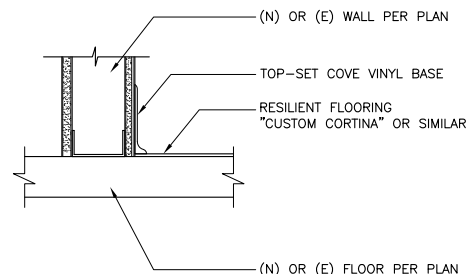
TENANT IMPROVEMENT NOTES

SHEET NUMBER:

T-5

RESILIENT FLOORING-09650

- PROVIDE RESILIENT FLOORING SIMILAR TO "CUSTOM CORTINA" AS MANUFACTURED BY AZROCK. NO ASBESTOS CONTAINING MATERIALS TO BE USED.
- VINYL COMPOSITION TILE: SHALL COMPLY WITH FS SS-TT-312 TYPE IV, 12"x12"x1/8" GAGE. COLOR SHALL BE SELECTED BY CONSTRUCTION MANAGER. PROVIDE BURKE 4" HIGH TOP SET RUBBER COVE BASE, COLOR; BLACK.
- ADHESIVES (CEMENTS): WATERPROOF, STABILIZED TYPE AS RECOMMENDED BY FLOORING MANUFACTURER. ASPHALT EMULSIONS AND NON-WATERPROOF TYPES ARE NOT ACCEPTABLE.
- RESILIENT BASE: PROVIDE TOP-SET COVE TYPE VINYL BASE COMPLYING WITH FS SS-W-40, TYPE II, WITH MATCHING END STOPS AND PRE FORMED CORNER UNITS, 4" HIGH BY 1/8" GAGE. COLOR SHALL BE AS SELECTED BY CONSTRUCTION MANAGER.
- INSTALL VINYL REDUCER STRIP AT DOOR OPENINGS WHERE VCT MEETS OTHER MATERIAL.
- APPLY RESILIENT BASE TO WALLS AND PERMANENT FIXTURES IN ROOMS OR AREAS WHERE BASE IS REQUIRED. INSTALL BASE IN AS LONG LENGTHS AS PRACTICAL, WITH PRE FORMED END STOPS AND MITERED OR COPED INSIDE CORNERS. TIGHTLY BOND BASE TO BACKING THROUGHOUT THE LENGTH OF EACH PIECE, WITH CONTINUOUS CONTACT AT HORIZONTAL AND VERTICAL SURFACES.



PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AT&T MOBILITY IS STRICTLY PROHIBITED.

CONSULTANT

CAL VADA SURVEYING, INC.

411 Jenks Ct., Suite 205, Corona, CA 92880
Phone: 951-280-9960 Fax: 951-280-9746
Toll Free: 800-CALVADA www.calvada.com
JOB NO. 10738

PREPARED FOR



430 Bush St., 5th Floor
San Francisco, CA 94108

APPROVALS

R.F.	DATE
SAC AND ZONING	DATE
ERICSSON CM	DATE
AT&T CM	DATE
OWNER APPROVAL	DATE

PROJECT NAME
AMERICAN CONSERVATORY THEATRE

PROJECT NUMBER
SFA130

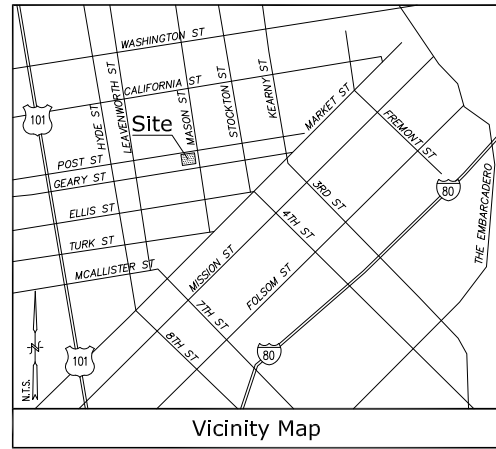
401-405 & 415 GEARY ST.
SAN FRANCISCO, CA 94102
SAN FRANCISCO COUNTY

DATE	DESCRIPTION	BY
10/11/10	SUBMITTAL	MN

SHEET TITLE
TOPOGRAPHIC SURVEY

C-1

SHEET 1 OF 1



Title Report

THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE REPORT.
PREPARED BY:
ORDER NO.:
DATED:

Legal Description

LOT 1 AND LOT 1A OF BLOCK 316, IN THE CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

Assessor's Parcel Nos.

0316-001 AND 0316-001A

Easements

NOT AVAILABLE

Access Easement/Lease Area

TO BE DETERMINED

Geographic Coordinates at Proposed Center of Sectors

1983 DATUM: LATITUDE 37° 47' 12.67"N LONGITUDE 122° 24' 36.80"W
ELEVATION = 76.6 FEET ABOVE MEAN SEA LEVEL

CERTIFICATION:
THE LATITUDE AND LONGITUDE SHOWN ABOVE ARE ACCURATE TO WITHIN +/- 15 FEET HORIZONTALLY AND THAT THE ELEVATIONS SHOWN ABOVE ARE ACCURATE TO WITHIN +/- 3 FEET VERTICALLY. THE HORIZONTAL DATUM (GEOGRAPHIC COORDINATES) IS IN TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND IS EXPRESSED IN DEGREES (°), MINUTES (') AND SECONDS ("), TO THE NEAREST HUNDREDTH OF A SECOND. THE VERTICAL DATUM (ELEVATIONS) IS IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND IS DETERMINED TO THE NEAREST TENTH OF A FOOT.

Basis of Bearings

THE STATE PLANE COORDINATE SYSTEM OF 1983 (NAD 83), CALIFORNIA ZONE 3.

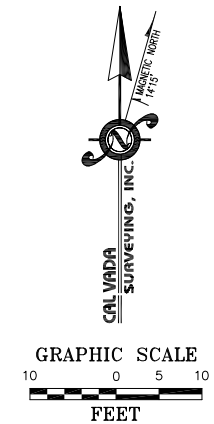
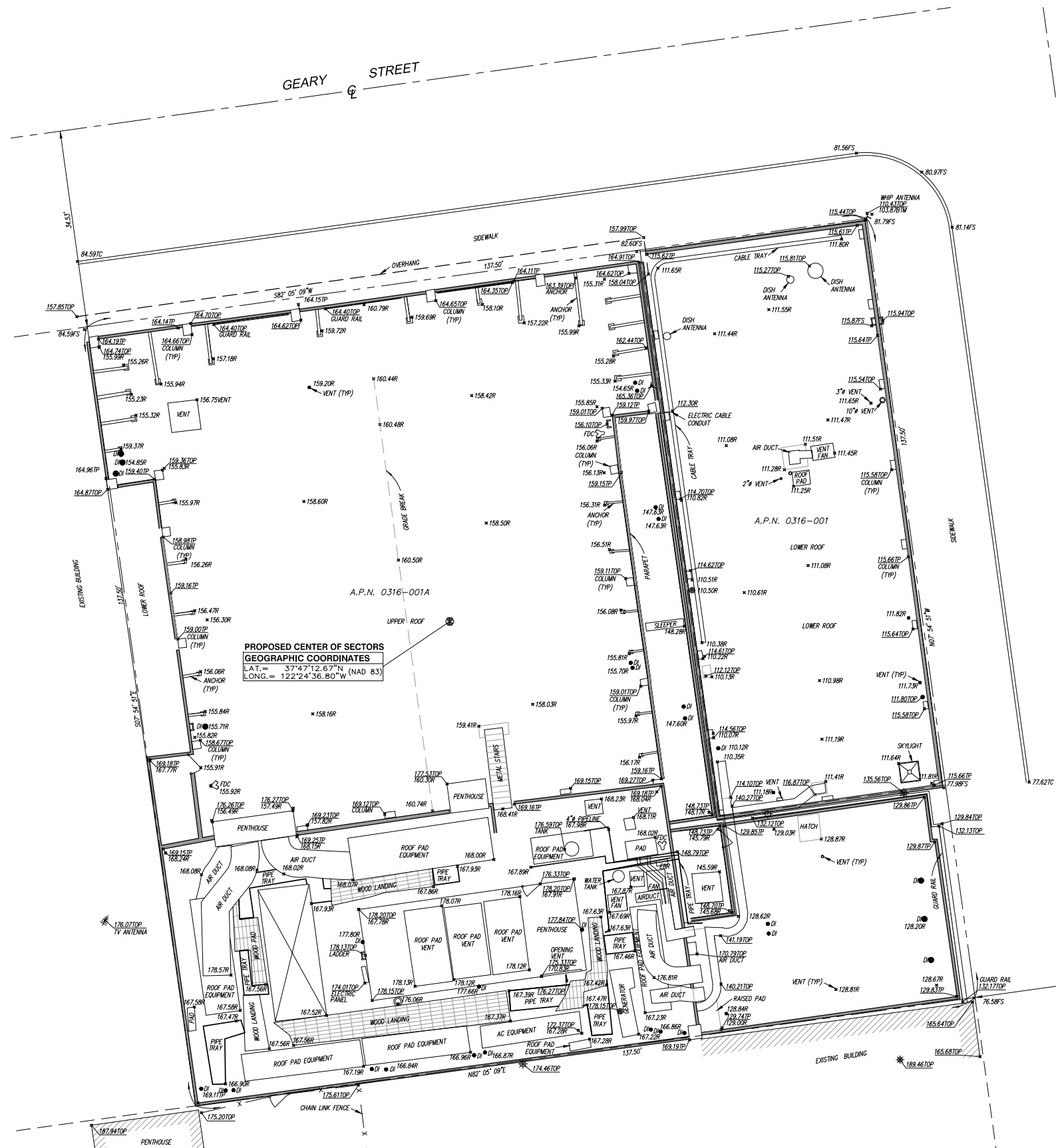
Bench Mark

THE CALIFORNIA SPATIAL REFERENCE C.O.R.S "TIBB".
ELEVATION = 38.73 FEET (NAVD 88).

Date of Survey

OCTOBER 6, 2010

Legend			
FS	FINISH SURFACE	3FDC	FIRE DEPARTMENT CONNECTION
NG	NATURAL GROUND	*	LIGHT
—	POWER POLE	○	TYPICAL DRAIN INLET
—	RETAINING/BLOCK WALL	○	GEODETIC COORDINATES
TW	TOP OF WALL	○	TOP OF PARAPET
—	CONCRETE PAVEMENT	○	CHAIN LINK FENCE
○	VENT	○	AC UNIT
EBR	ELECTRIC BREAKER	○	ROOF
TO	TOP OF CURB	○	
---	PROPERTY LINE		





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CIVIL ENGINEER:



CONNELL DESIGN GROUP, LLC

CONSULTING CIVIL ENGINEERS
26455 RANCHO PKWY SOUTH, LAKE FOREST CA 92630
(949) 753-8807 OFFICE - (949) 753-8833 FAX
CDG#: 08-8034

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JPC DC DC

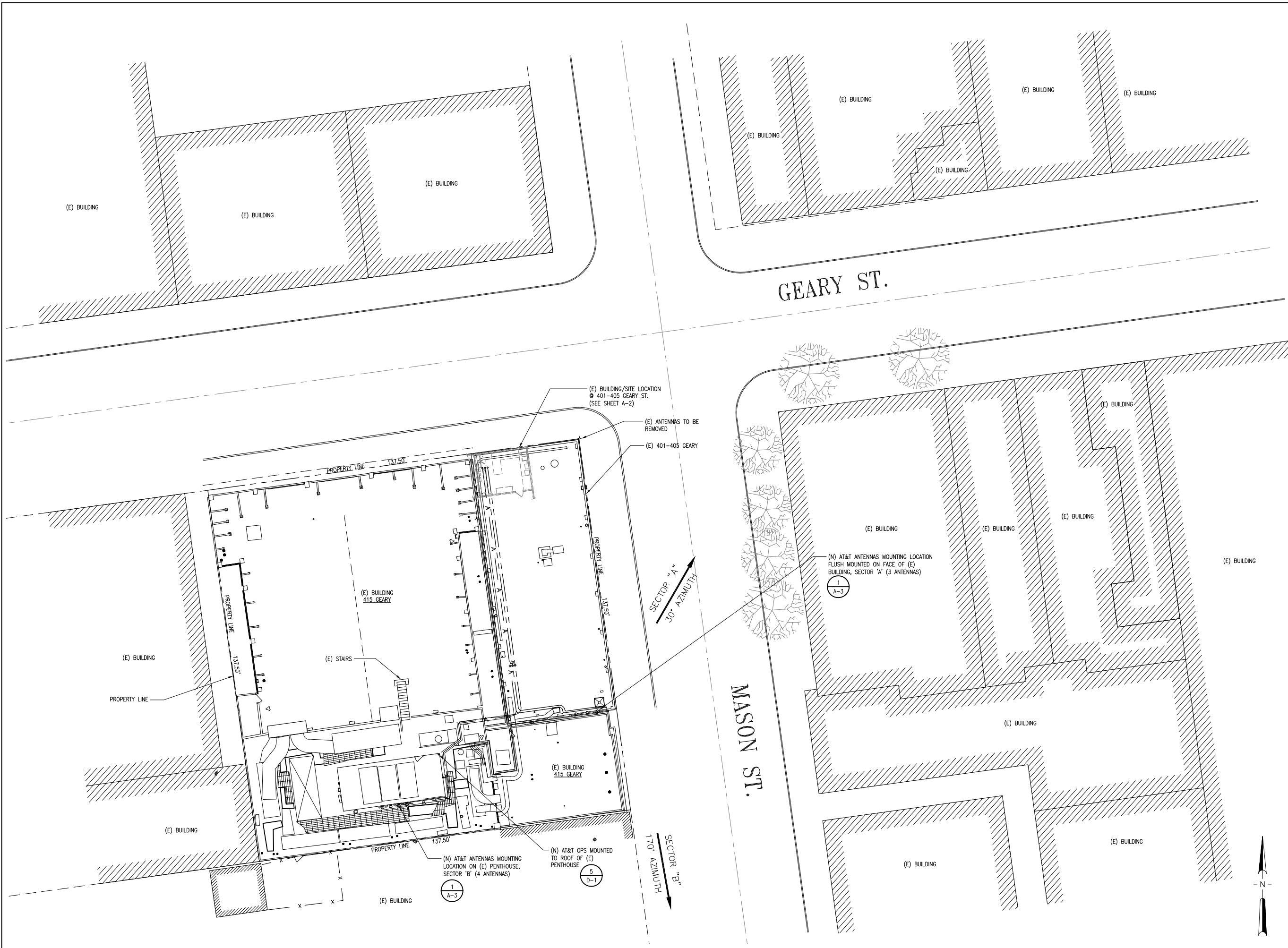
LICENSER:

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

A-1



SITE PLAN

SCALE 1/16"=1'-0" 1



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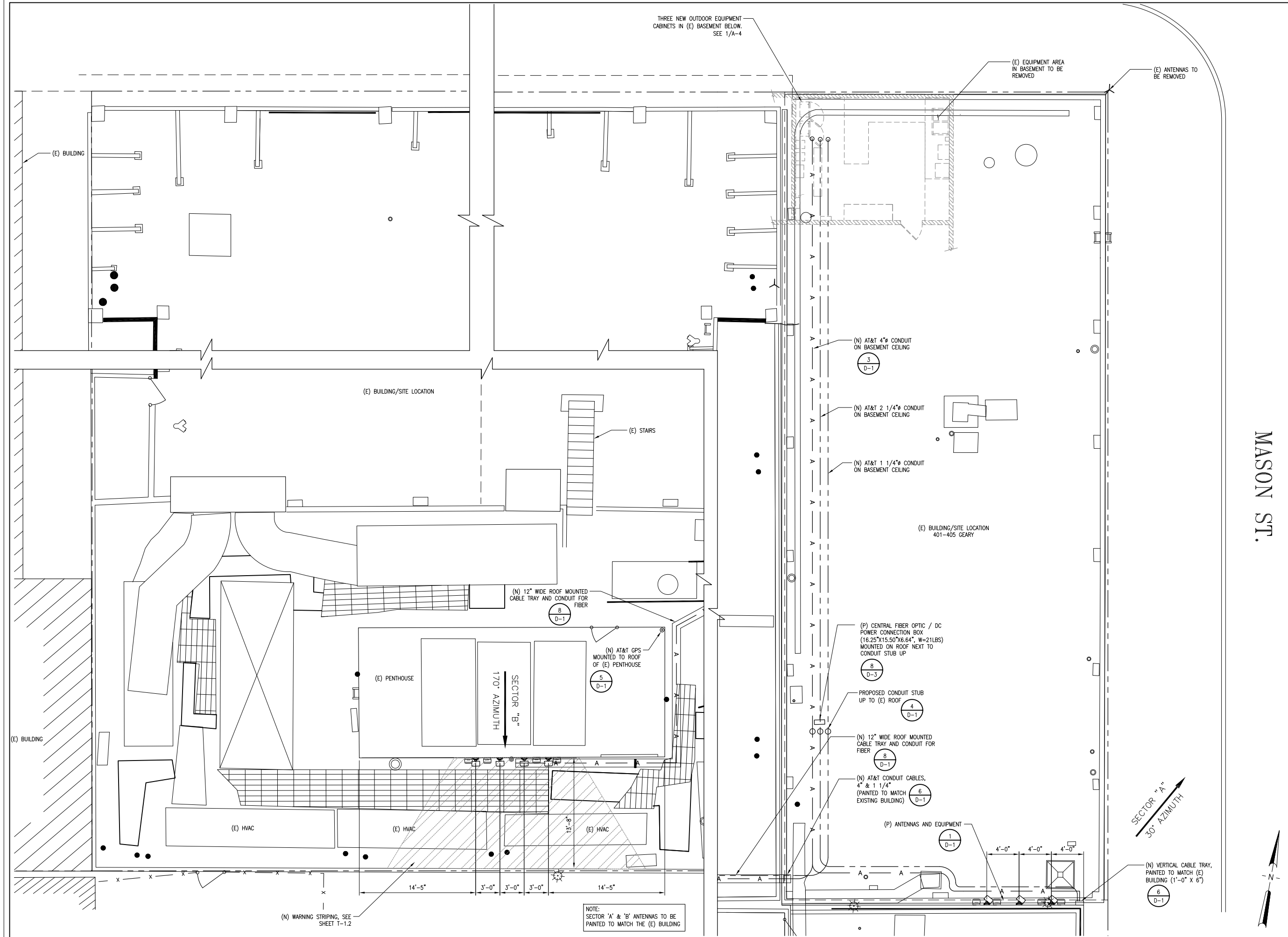
LICENSER:

SHEET TITLE:

ENLARGED SITE PLAN &
ANTENNA LAYOUT

SHEET NUMBER:

A-2



MASON ST.

ENLARGED SITE PLAN

SCALE: 5/16"=1'-0" 0 2' 4' 6' 1



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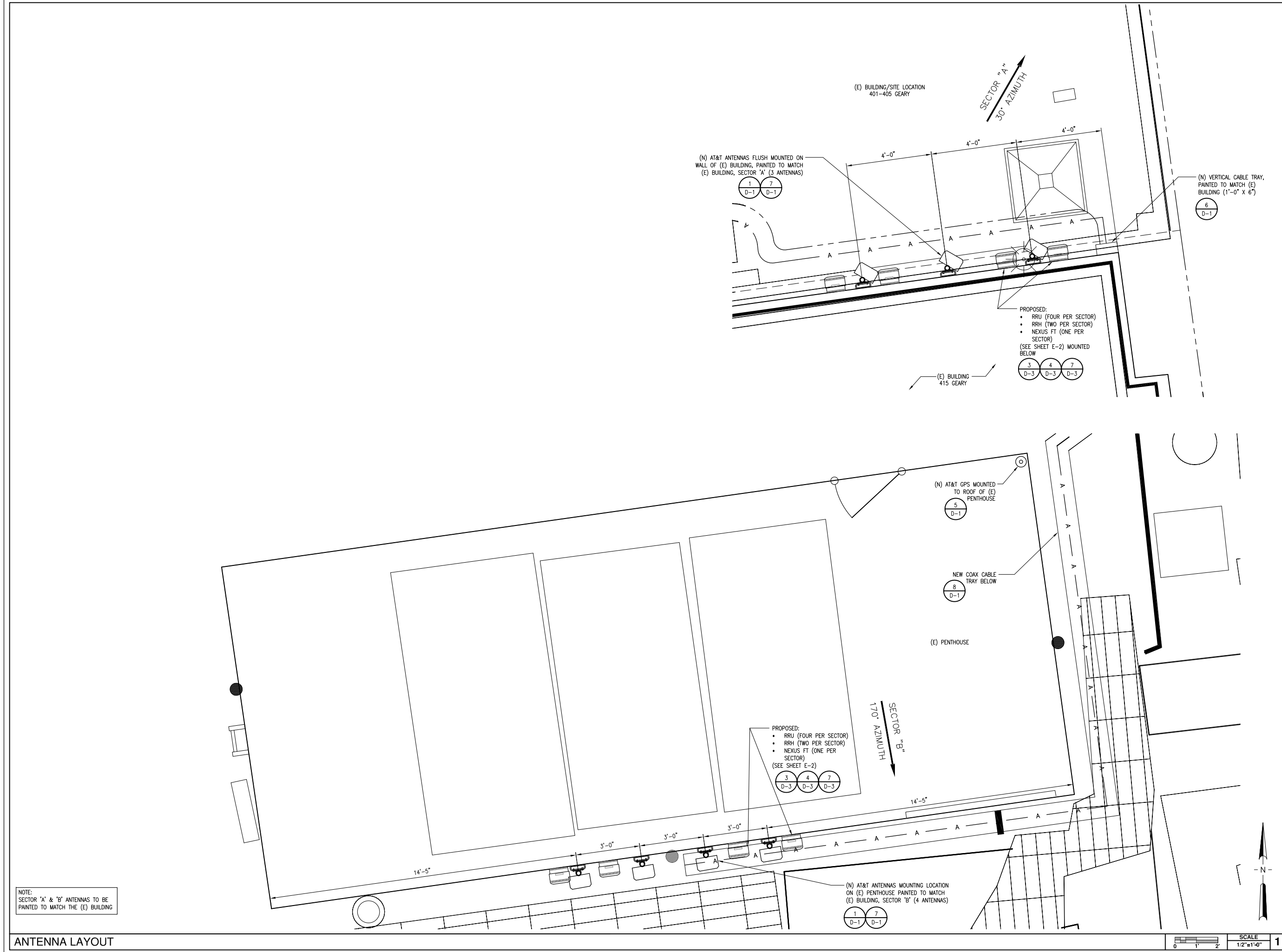
LICENSER:

SHEET TITLE:

ANTENNA LAYOUT

SHEET NUMBER:

A-3





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JPC	DC	DC
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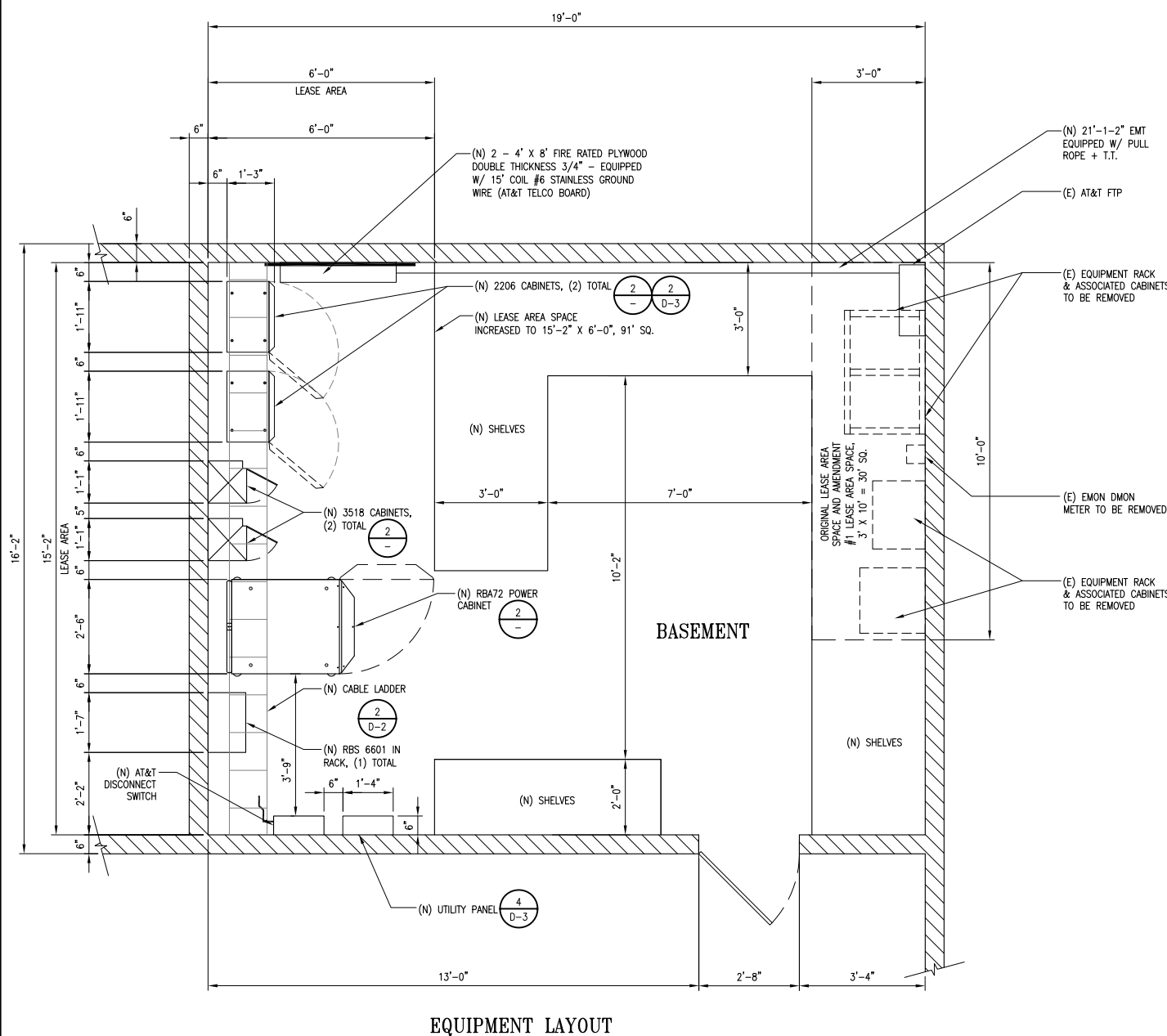
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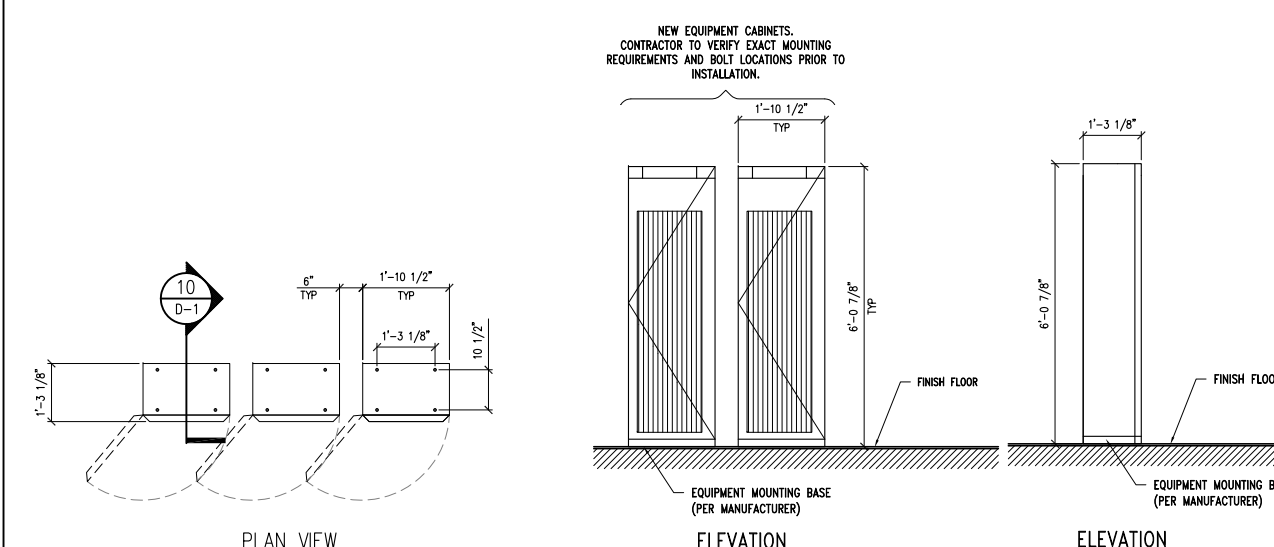
EQUIPMENT LAYOUT
& DETAILS

SHEET NUMBER:

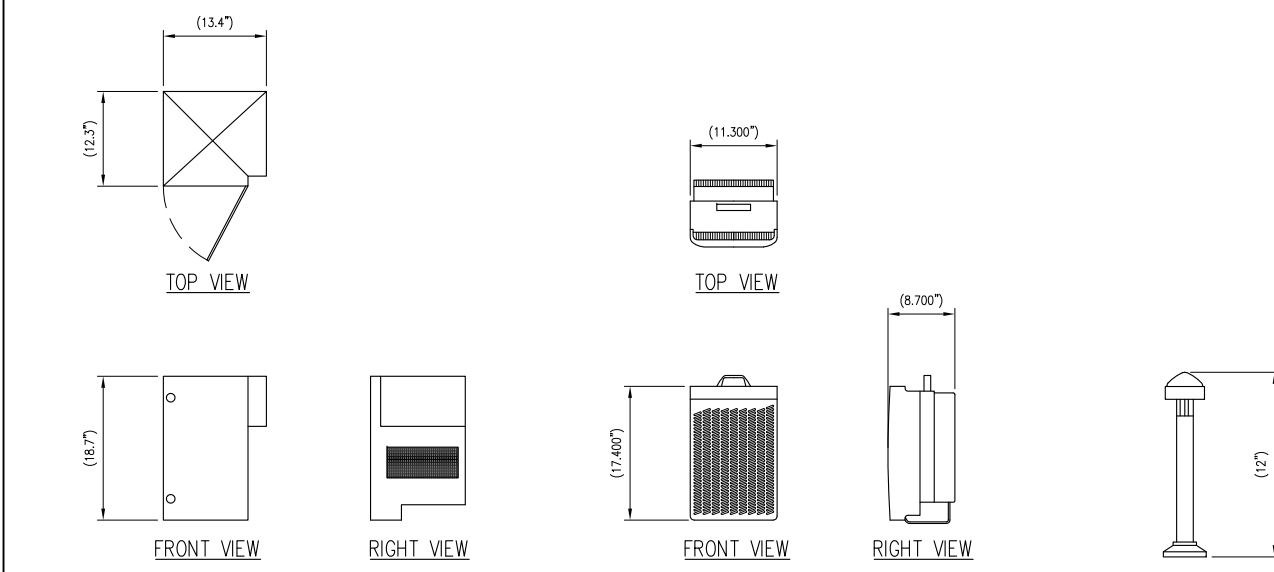
A-4



EQUIPMENT LAYOUT



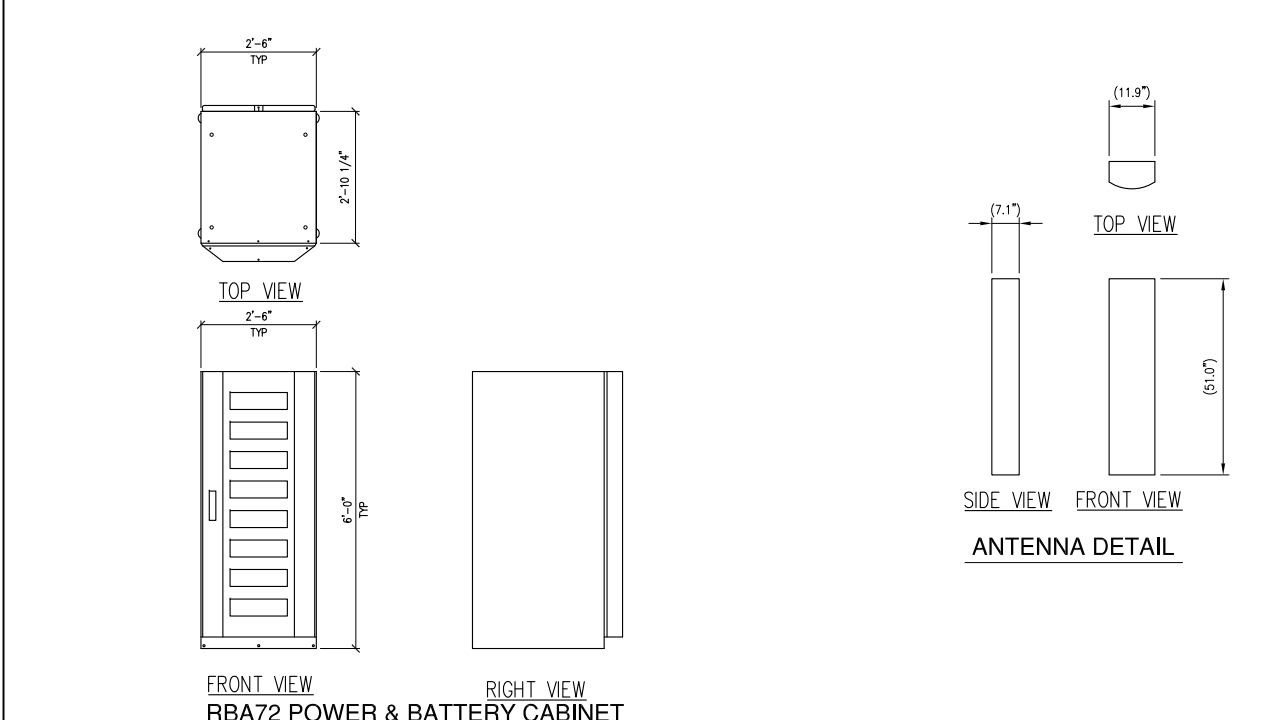
ERICSSON INDOOR 2206 / 3206 CABINETS DETAIL



RBS 3518 DETAIL

RRU DETAIL

GPS DETAIL



RBA72 POWER & BATTERY CABINET



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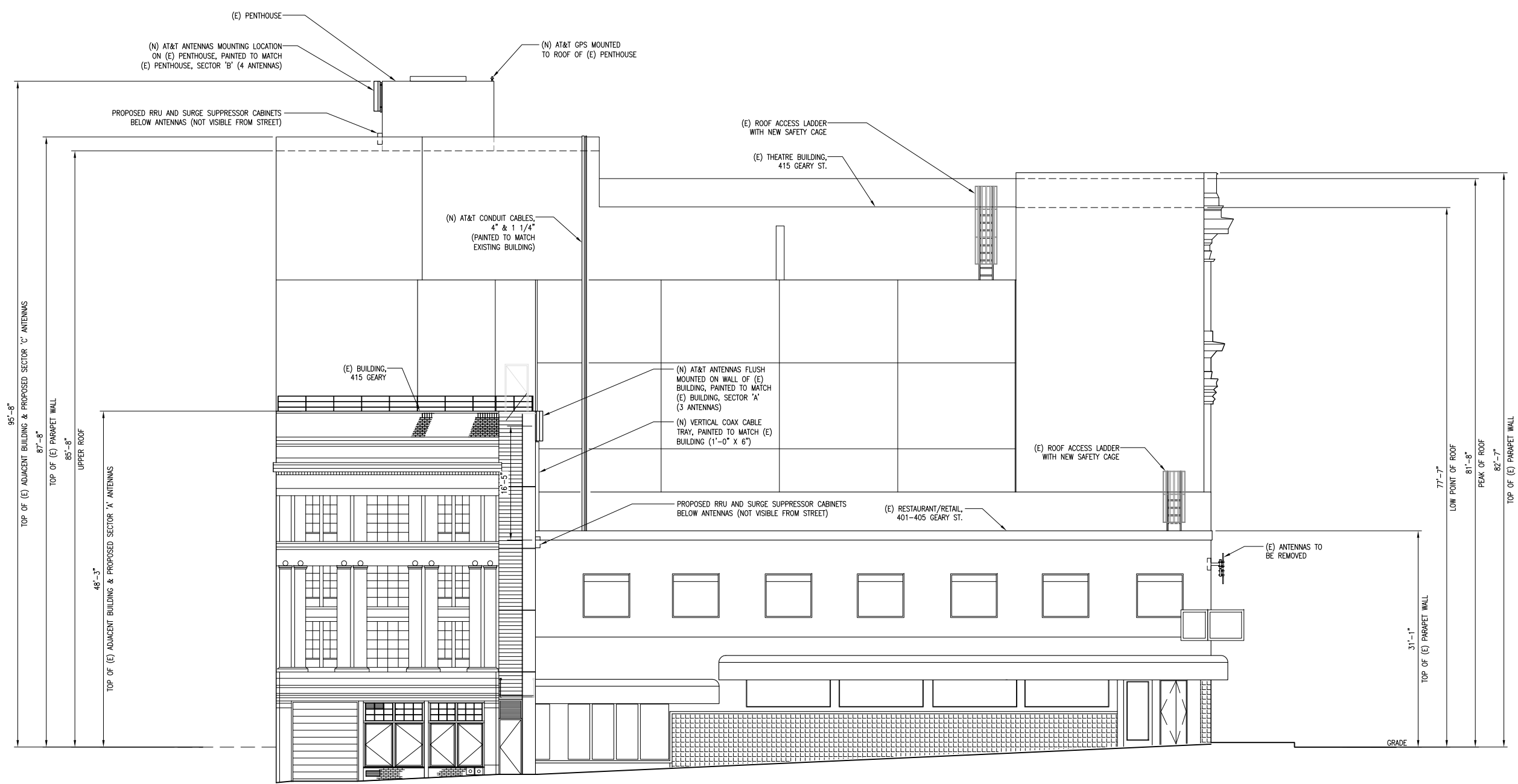
LICENSER:

SHEET TITLE:

EAST ELEVATION

SHEET NUMBER:

A-5



EAST ELEVATION

MASON ST.

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



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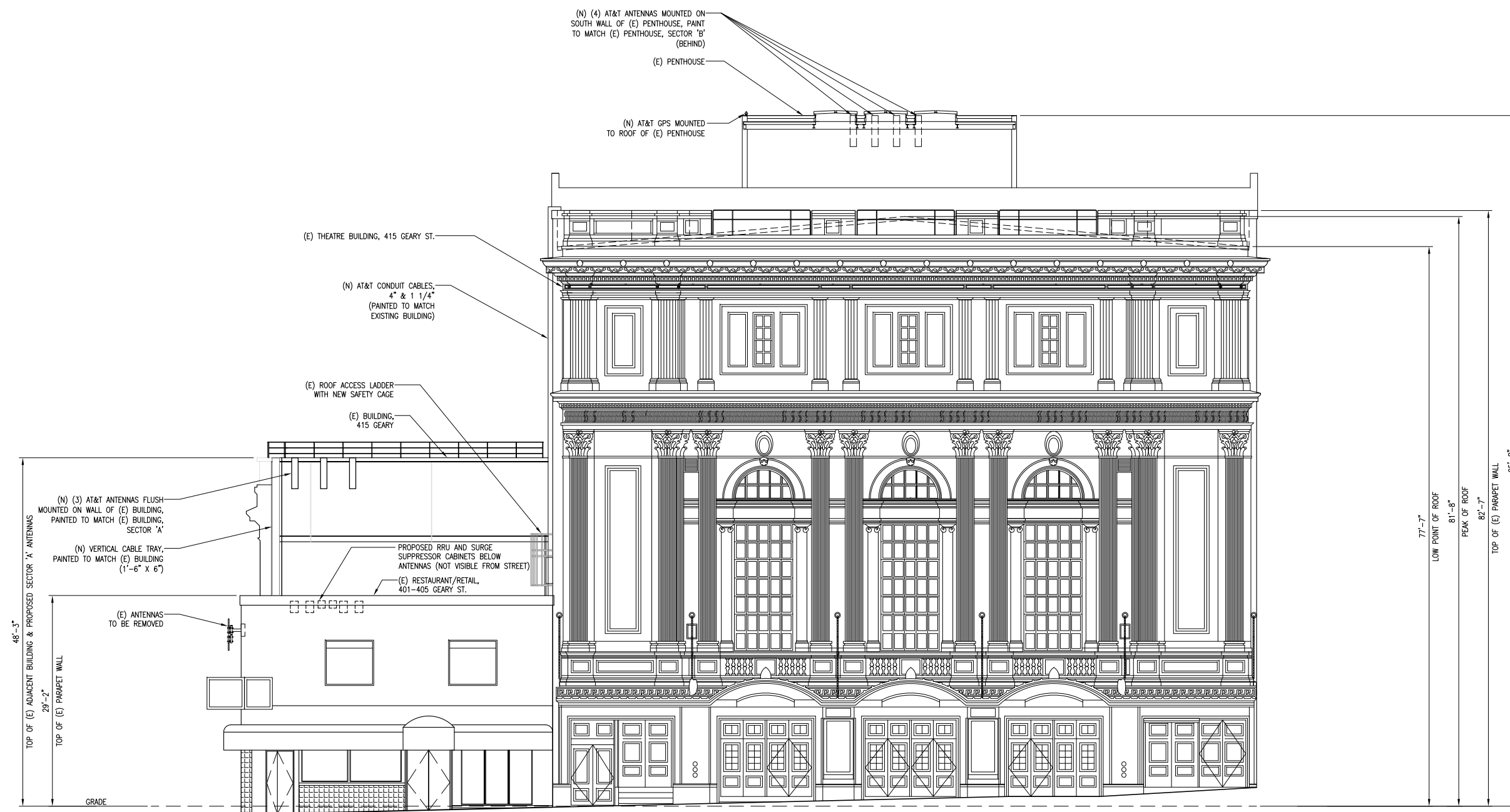
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NORTH ELEVATION

SHEET NUMBER:

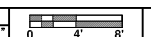
A-6



GEARY ST.

NORTH ELEVATION

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



1