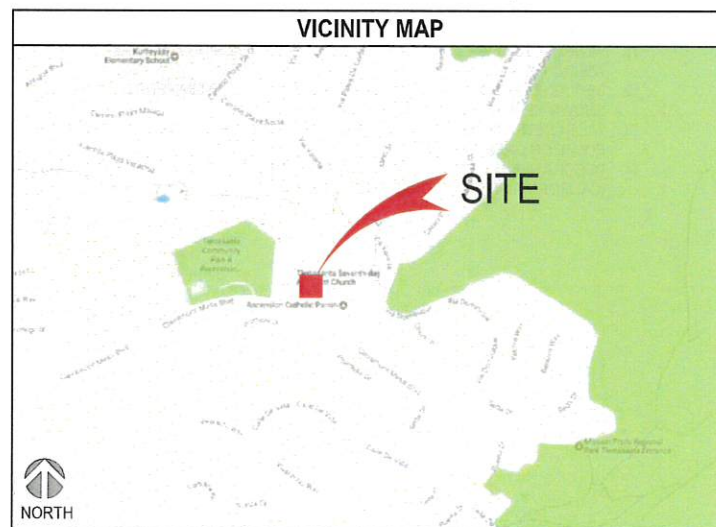
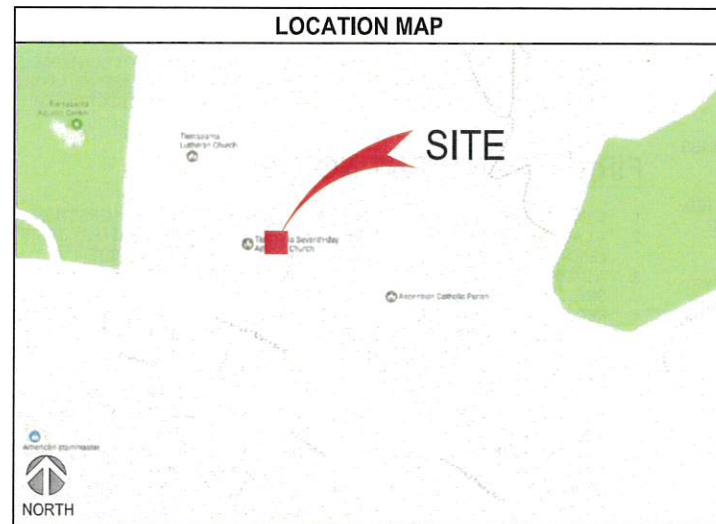


T-Mobile

SITE NUMBER: SD06798A
SITE NAME: TIERRASANTA ADVENTIST
ADDRESS: 11260 CLAIREMONT MESA BOULEVARD
SAN DIEGO, CA 92124
JURISDICTION: CITY OF SAN DIEGO
PROJECT: CUP



| PROJECT INFORMATION | |
|---------------------------|---|
| SITE NAME: | TIERRASANTA ADVENTIST |
| SITE NUMBER: | SD06798A |
| SITE ADDRESS: | 11260 CLAIREMONT MESA BOULEVARD SAN DIEGO, CA 92124 CITY OF SAN DIEGO |
| JURISDICTION: | CITY OF SAN DIEGO |
| COUNTY: | COUNTY OF SAN DIEGO |
| LATITUDE: | 32.82999766° |
| LONGITUDE: | -117.08550100° |
| CONSTRUCTION TYPE: | V-N |
| A.P.N.: | 373-080-29 |
| ZONING CLASSIFICATION: | RS-1-8 |
| PROPOSED USE: | UNMANNED TELECOMMUNICATION FACILITY |
| LEGAL DESCRIPTION: | REFER TO SHEET 2/T-3.0 |
| PROPERTY OWNER: | TIERRASANTA SEVENTH DAY ADVENTIST CHURCH 11260 CLAIREMONT MESA BOULEVARD SAN DIEGO, CA 92124 PHONE: (858) 576-9990 |
| T-MOBILE PROJECT MANAGER: | JOSEPH ROSE (858) 334-6112 joseph.rose41@T-Mobile.com |
| APPLICANT: | SAC WIRELESS ON BEHALF OF T-MOBILE DAIL RICHARD (858) 200-6541 dail.richard@sacw.com |



| SCOPE OF WORK |
|--|
| T-MOBILE PROPOSES TO: |
| <ul style="list-style-type: none"> RELOCATE (3) EXISTING T-MOBILE PANEL ANTENNAS RELOCATE (1) EXISTING T-MOBILE RADIO (RRUS11_B12) RELOCATE (1) EXISTING T-MOBILE TMA INSTALL (1) NEW T-MOBILE ANTENNA MOUNT INSTALL (1) NEW T-MOBILE ANTENNA MOUNTING PIPE INSTALL (3) NEW FRP SCREEN BOXES INSTALL (1) NEW 6601 IN EXISTING CABINET INSTALL (1) NEW XMU03 NO NEW BATTERIES TO BE ADDED PROJECT VALUATION: \$50,000 |

| DRIVING DIRECTIONS |
|---|
| DIRECTIONS FROM 10509 VISTA SORRENTO PKWY, SAN DIEGO, CA 92121: |
| <ol style="list-style-type: none"> HEAD SOUTHEAST ON VISTA SORRENTO PKWY TURN RIGHT ONTO SORRENTO VALLEY RD SLIGHT RIGHT ONTO THE INTERSTATE 805 S RAMP MERGE ONTO I-805 S USE THE RIGHT 2 LANES TO TAKE EXIT 23 FOR CA-52 KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR STATE 52 E AND MERGE ONTO CA-52 E/STATE 52 E TAKE EXIT 7 FOR I-15 S KEEP RIGHT TO CONTINUE ON EXIT 11, FOLLOW SIGNS FOR CLAIREMONT MESA BOULEVARD TO TURN LEFT ONTO CLAIREMONT MESA BLVD MAKE A U-TURN AT VIA VALARTA DESTINATION WILL BE ON THE RIGHT: 11260 CLAIREMONT MESA BOULEVARD SAN DIEGO, CA 92124 |

| GENERAL NOTES |
|--|
| THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED. |

| DO NOT SCALE DRAWINGS |
|--|
| CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME. |

| SPECIAL NOTES |
|---|
| <ol style="list-style-type: none"> ALL WORK SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT T-MOBILE CONSTRUCTION INSTALLATION GUIDE. EXISTING CONDITIONS WILL BE VERIFIED IN FIELD. IF SIGNIFICANT DEVIATIONS OR DETERIORATION ARE ENCOUNTERED AT THE TIME OF CONSTRUCTION, A REPAIR PERMIT WILL BE OBTAINED & CONTRACTOR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY. CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME. THESE DRAWINGS ARE FULL SIZE & SCALEABLE ON 22"x34" SHEET SIZE & ARE NOT REDUCED IN SIZE. STATEMENT THAT COMPLIANCE WITH THE ENERGY CODE IS NOT REQUIRED. -SCOPE OF WORK DOES NOT INVOLVE MODIFICATIONS TO EXTERIOR ENVELOPE OF BUILDING, HVAC SYSTEMS OR ELECTRICAL LIGHTING. |

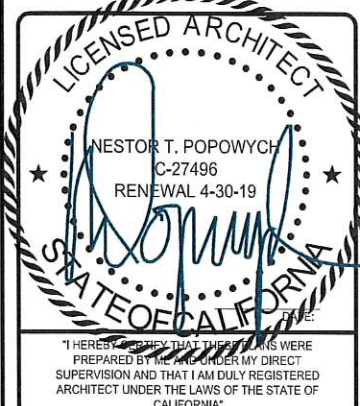
| DRAWING INDEX | |
|---------------|--|
| SHEET | DESCRIPTION |
| T-1.0 | TITLE SHEET |
| T-2.0 | GENERAL NOTES |
| T-3.0 | ABBREVIATIONS, LEGAL DESCRIPTION, REFERENCED DOCUMENTS, LEGEND & SIGNAGE |
| T-4.0 | LETTER OF AUTHORIZATION |
| A-1.0 | OVERALL SITE PLAN |
| A-2.0 | EXISTING ENLARGED SITE PLAN |
| A-2.1 | PROPOSED ENLARGED SITE PLAN |
| A-3.0 | EXISTING & PROPOSED ANTENNA PLANS |
| A-3.1 | ANTENNA & RADIO MOUNTING DETAILS (BETA SECTOR) |
| A-3.2 | EQUIPMENT PLANS, EXISTING BATTERY CALCULATIONS & ANTENNA SCHEDULE |
| A-4.0 | EXISTING & PROPOSED NORTHWEST ELEVATIONS |
| A-4.1 | EXISTING & PROPOSED NORTHEAST ELEVATIONS |
| A-4.2 | EXISTING & PROPOSED SOUTHEAST ELEVATIONS |
| A-4.3 | EXISTING & PROPOSED SOUTHWEST ELEVATIONS |
| A-5.0 | EQUIPMENT DETAILS & SPECIFICATIONS |
| A-6.0 | EQUIPMENT DETAILS & SPECIFICATIONS |
| S-1.0 | STRUCTURAL DETAILS |
| G-1.0 | SCHEMATIC GROUNDING PLANS, NOTES & DETAILS |

NOT FOR CONSTRUCTION UNLESS APPROVED BY JURISDICTION

| CODE COMPLIANCE |
|--|
| <ul style="list-style-type: none"> 2016 CALIFORNIA ENERGY CODE 2016 CALIFORNIA BUILDING CODE 2016 CALIFORNIA ELECTRICAL CODE 2016 CALIFORNIA FIRE CODE 2016 CALIFORNIA MECHANICAL CODE 2016 CALIFORNIA PLUMBING CODE |

| APPROVALS |
|--|
| THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS. |
| T-MOBILE PROJECT MANAGER: _____ DATE: _____ |
| T-MOBILE CONSTRUCTION MANAGER: _____ DATE: _____ |
| T-MOBILE RF ENGINEER: _____ DATE: _____ |
| T-MOBILE FOPS: _____ DATE: _____ |
| SITE ACQUISITION: _____ DATE: _____ |
| PROPERTY OWNER: _____ DATE: _____ |
| ZONING: _____ DATE: _____ |

| REVISIONS | | | |
|-----------|----------|---------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 11/05/18 | 90% CD's | JP |
| 1 | 11/26/18 | 100% CD's | EC |
| 2 | 10/21/19 | CITY COMMENTS | YK |



CUP
 TIERRASANTA ADVENTIST
 SD06798A
 11260 CLAIREMONT MESA BOULEVARD
 SAN DIEGO, CA 92124

SHEET TITLE
 TITLE SHEET

SHEET NUMBER
 T-1.0

| PROJECT TEAM | |
|--|--|
| ARCHITECT: SAC WIRELESS NESTOR POPOWYCH, A.I.A. 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 CONTACT: DENNIS YOSHII PHONE: (619) 736-3766 X105 EMAIL: dennis.yoshii@sacw.com | CONSTRUCTION MANAGER: T-MOBILE USA KIRT BABCOCK 10509 VISTA SORRENTO PKWY STE 206 SAN DIEGO, CA 92121 PHONE: (858) 334-6139 EMAIL: kirt.babcock@T-Mobile.com |
| ENGINEER: SAC WIRELESS EMILIO MARIO VALERIO-HERNANDEZ, P.E. 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 PHONE: (619) 736-3766 X114 EMAIL: emilio.hernandez@sacw.com | RF ENGINEER: T-MOBILE USA MUSTAFA AJMAL 10509 VISTA SORRENTO PKWY STE 206 SAN DIEGO, CA 92121 PHONE: - EMAIL: mustafa.ajmal@T-Mobile.com |
| PLANNING/ZONING CONSULTANT: SAC WIRELESS DAIL RICHARD 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 PHONE: (858) 200-6541 EMAIL: dail.richard@sacw.com | |

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (SOUTH), CALL DIG ALERT

TOLL FREE: 1-800-227-2600 OR www.digalert.org

CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

GENERAL NOTES:

- THIS FACILITY IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS PER CALIFORNIA/INTERNATIONAL BUILDING CODE SECTION 11B-203.5. THIS FACILITY IS NON-OCCUPIABLE SPACE AND ENTERED ONLY BY SERVICE PERSONNEL.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND CONSTRUCTION SPECIFICATIONS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PREVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFORMING THAT THE WORK MAY BE ACCOMPLISH AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS. OWNER PROVIDED MATERIALS WILL INCLUDE THE FOLLOWING, UNLESS NOTED OTHERWISE:
 - A. TRANSMITTER
 - B. RF FILTER
 - C. MFTS RACKS
 - D. AUXILIARY EQUIPMENT IN MFTS RACK
 - E. PUMP ASSEMBLY
 - F. HEAT EXCHANGE
 - G. HOSE AND HOSE MANIFOLD (ANY COPPER OR STEEL SECTION PROVIDED BY CONTRACTOR)
 - H. UHF ANTENNA AND MOUNTING BRACKET, GPS ANTENNA AND KU ANTENNAS
 - I. UHF COAX AND HANGERS
 - J. 480-208 & 208-400 ELECTRICAL TRANSFORMER
 - K. AUTOMATIC TRANSFER SWITCH AND GENERATOR
 - L. EQUIPMENT SHELTER (SHELTER FURNISH IN FACTORY WH/VAC EQUIPMENT AND ELECTRICAL DISTRIBUTION PANEL)
 - M. INTEGRATED LOAD CENTER
 - N. ANTENNAS, RADIOS & CABLES
- DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WORK.
- DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENT.
- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF THE BUILDING & GROUNDS & SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
- INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACE, EQUIPMENT, IMPROVEMENTS, PIPING, ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
- IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
- REPAIR ALL EXISTING WALL SURFACE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACE.
- SEAL PENETRATION THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
- KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOT, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
- MINIMUM BEND RADIUS OF ANTENNA CABLE SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.
- DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL CONSTRUCTION IS TO ADHERE TO T-MOBILE'S INTEGRATED CONSTRUCTION STANDARDS UNLESS CALIFORNIA CODE IS MORE STRINGENT.
- THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARDS CODE (IF APPLICABLE, TITLE 19 AND 24 CALIFORNIA CODE REGULATIONS), SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH THE REFERENCED CODE ON SHEET T-1.0, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK.

- PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT OR ENGINEER OF RECORD AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORK SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTAL AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
 - CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPER, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
 - ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

PAINTING NOTES & SPECIFICATIONS:

A. GENERAL

- ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
- CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
- COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
- FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
- ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE T-MOBILE CONSTRUCTION MANAGER.
- PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIT SANDPAPER AND NON-HYDROCARBON WASH. PREPARE GALVANIZED SURFACES BY ACID ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SP1.
- FURNISH DROP CLOTHES, SHIELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
- APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES. APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
- APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
- CONTRACTOR SHALL CORRECT RUNS, SAGS, MISSES AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE T-MOBILE CONSTRUCTION MANAGER. REPAINT AS NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.

B. COATING SYSTEM SPECIFICATIONS

- DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1MIL DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
- 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER, PAINT & PRIMER

ANTENNAS

PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22

BTS CABINET

PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
COAXIAL JUMPER CABLES

PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER E61W25 REDUCED 25%
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

RAW STEEL

PRIMER - KEM BOND HS B50W24, DMT ACRYLIC PRIMER
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

GALVANIZED METAL

ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)

STAINLESS STEEL

PRIMER - OTM WASH PRIMER, B71Y1
TOPCOATS - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

PRE-PRIMED STEEL

TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, SS0WZ4

ALUMINUM & COPPER

PRIMER - DTM WASH PRIMER, B71Y1
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

CONCRETE MASONRY

PRIMER - PRO MAR EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

CONCRETE STUCCO (EXISTING)

2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

STUCCO

PRIMER - PRO MAR MASONRY CONDITIONED B-46 W21000
TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS

WOOD

PRIMER - A-100 EXTERIOR ALKYD W009D PRIMER Y-24W20
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES

FIELD CUTS/ DAMAGE (PRIOR TO PRIME & PAINT)
FIRST & SECOND COAT - CUPRINOL CLEAR WOOD PRESERVATIVE #158-0356 ALL PENETRATIONS INTO FINISHED GLU-LAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT
STEEL TOUCH UP
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT.

GROUNDING NOTES:

- COMPRESSION CONNECTIONS (2), 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- EC SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "N", "I") WITH 1" HIGH LETTERS.
- ALL HARDWARE 18-8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
- WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BAR TO THE TOWER.
- ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), CALIFORNIA BUILDING STANDARDS AND MANUFACTURER.

BATTERY NOTES:

- ANY CHANGES OR ADDITIONS TO BACK-UP BATTERIES SHALL NOT CONTAIN ELECTROLYTE QUANTITIES IN EXCESS OF 50 GALLONS AND NEED NOT COMPLY WITH THE REQUIREMENTS OF CALIFORNIA/INTERNATIONAL FIRE CODE (REFERRED TO IN T-1.0) SECTION 608 AS INDICATED IN SECTION 608.1

FIRE DEPARTMENT NOTES:

- IF FIRE DEPARTMENT FINAL INSPECTION IS REQUIRED, SCHEDULE INSPECTION 2 DAYS IN ADVANCE.
- A CALIFORNIA/INTERNATIONAL FIRE CODE PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.
- A CALIFORNIA/INTERNATIONAL FIRE CODE PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.
- REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE INCH, IN A COLOR THAT CONTRASTS TO THE SIGN BACKGROUND, AND SHALL BE PROMINENTLY DISPLAYED.
- AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM.
- BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.
- CONTRACTOR SHALL VERIFY IN FIELD THE EXISTENCE OR INSTALLATION OF A FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2A-10BC, WITH A CHARGE STATUS ACCEPTABLE TO THE LOCAL FIRE AUTHORITY HAVING JURISDICTION.
- LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE UNIFORM FIRE CODE STANDARD 10-1 AND PLACEMENT IS SUBJECT TO APPROVAL OF THE FIRE INSPECTOR.
- STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.
- EXIT DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADDRESSED ON.
- REQUIRED SIGNAGE SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, APPLICABLE TYPES FROM EXAMPLES SHOWN HEREIN (SEE SIGNAGE IN T-3.0).
- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.
- DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. [CALIFORNIA/INTERNATIONAL FIRE CODE 807.3]



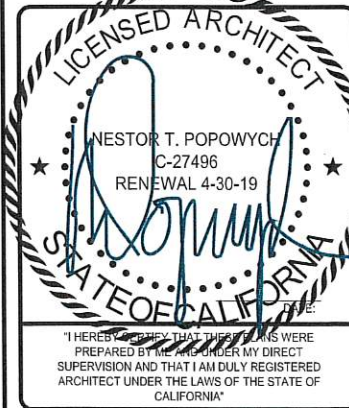
10508 VISTA SORRENTO PKWY #206
SAN DIEGO, CA 92121
T-MOBILE.COM



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SAN DIEGO, CA 92122
WWW.SACG.COM

REVISIONS

| REV. | DATE | DESCRIPTION | INITIALS |
|------|----------|---------------|----------|
| 0 | 11/05/18 | 90% CD'S | JP |
| 1 | 11/26/18 | 100% CD'S | EC |
| △ | 10/21/19 | CITY COMMENTS | YK |
| | | | |
| | | | |
| | | | |
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CUP
TIERRASANTA ADVENTIST
SD06798A
11260 CLAIREMONT MESA BOULEVARD
SAN DIEGO, CA 92124

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

T-2.0

NOTICE

Radio frequency fields beyond this point may exceed the FCC general public exposure limit. Obey all posted signs and site guidelines for working in radio frequency environments.

In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

AVISO

Los campos de frecuencias de radio a partir de este punto podrán exceder el límite del cual el FCC permite que el público en general podrá estar expuesto.

Obedezca todas las señales indicadas y las guías del sitio para trabajar en los ambientes de frecuencia de radio.

De acuerdo a las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de frecuencias de radio 47 CFR 1.1307(b)

NOTICE

GUIDELINES FOR WORKING IN RADIOFREQUENCY ENVIRONMENTS

- △ All personnel should have electromagnetic energy (EME) awareness training.
- △ All personnel entering this site must be authorized.
- △ Obey all posted signs.
- △ Assume all antennas are active.
- △ Before working on antennas, notify owners and disable appropriate transmitter.
- △ Maintain minimum 3 feet clearance from all antennas.
- △ Do not stop in front of antennas.
- △ Use personal RF monitors while working near antennas.
- △ Never operate transmitters without shields during normal operation.
- △ Do not operate base station antennas in equipment room.

CAUTION

Beyond this point: Radio frequency fields at this site may exceed FCC rules for human exposure.

For your safety, obey all posted signs and site guidelines for working in radio frequency environments.

In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

ATENCIÓN

A partir de este lugar: Los campos de frecuencias de radio en este sitio podrán exceder el límite del cual las reglas del FCC permiten que estén expuestos los humanos.

Por su seguridad, obedezca todas las señales indicadas y las guías del sitio para trabajar en los ambientes de frecuencia de radio.

De acuerdo a las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de frecuencias de radio 47 CFR 1.1307(b)

WARNING

Beyond this point: Radio frequency fields at this site may exceed FCC rules for human exposure.

Failure to obey all posted signs and site guidelines for working in radio frequency environments could result in serious injury.

In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (a)

ADVERTENCIA

A partir de este lugar: Los campos de frecuencias de radio en este sitio exceden el límite del cual las reglas del FCC permiten que estén expuestos los humanos.

El no obedecer todas las señales indicadas y las guías del sitio para trabajar en los ambientes de frecuencia de radio, podría resultar en graves lesiones.

De acuerdo a las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de frecuencias de radio 47 CFR 1.1307(a)

DANGER

HAZARDOUS MATERIAL STORAGE AREA

WARNING

THIS FACILITY CONTAINS CORROSIVE LIQUID TOXIC LIQUID CLASS 1 WATER REACTIVE LIQUID

IN CASE OF EMERGENCY CALL

1-888-662-4662

SITE NUMBER: SD06798A
SITE NAME: TIERRASANTA ADVENTIST

| | | | |
|--|----------------------------------|--|------------------|
| | DETAIL REFERENCE | | LINE TYPES |
| | ELEVATION REFERENCE | | PROPERTY LINE |
| | SECTION REFERENCE | | CENTER LINE |
| | AZIMUTH ARROW | | FIBER CABLE |
| | EXISTING ALPHA SECTOR @ 20° | | GROUNDING CABLE |
| | EXISTING ALPHA SECTOR @ 30° | | CHAIN LINK FENCE |
| | ELEVATION BUBBLE | | WOOD FENCE |
| | MECHANICAL GRND. CONN. | | |
| | CADWELD | | |
| | GROUND BUS BAR | | |
| | EXISTING T-MOBILE PANEL ANTENNAS | | |
| | EXISTING T-MOBILE RADIO | | |
| | EXISTING T-MOBILE TMA | | |

LEGEND

| | |
|--------|---|
| SCALE | 4 |
| N.T.S. | |

- CONSTRUCTION DRAWINGS: SD06798A_Permitting_SD06798 BOK - Approved CD's BY MITCHELL J LUTHERAN CHURCH; 10-02-13
- SCOPE OF WORK: RFDS_SD06798A_1.1_L700_Signed_021417
- SITE WALK: N/A
- BATTERY INFORMATION: SD06798A_Other_SD06798A Site Survey Form_X3

| | |
|--------|---|
| SCALE | 3 |
| N.T.S. | |

PARCEL A

PARCEL 1 PARCEL MAP NO. 15580, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, FEBRUARY 23, 1989 AS FILE/PAGE NO. 89-092635 OF OFFICIAL RECORDS

PARCEL B

AN EASEMENT FOR INGRESS AND EGRESS OVER, ALONG AND ACROSS THAT PORTION OF LOT 1 OF TIERRASANTA LUTHERAN CHURCH, ACCORDING TO THE MAP THEREOF NO. 10755 IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, NOVEMBER 7, 1983, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEASTERLY CORNER OF SAID LOT BEING A POINT ON A 1551.00 FOOT RADIUS CURVE CONCAVE SOUTHWESTERLY, A RADIAL LINE BEARS NORTH 19°24'50" EAST TO SAID POINT; THENCE NORTHWESTERLY ALONG SAID CURVE AND ALONG THE SOUTHERLY LINE OF SAID LOT 1 THROUGH A CENTRAL ANGLE OF 00°35'46" A DISTANCE OF 16.14 FEET TO A POINT ON A NONTANGENT 60.00 FOOT RADIUS CURVE CONCAVE SOUTHEASTERLY, A RADIAL LINE BEARS NORTH 66°15'20" WEST TO SAID POINT THENCE NORTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 43°29'55" A DISTANCE OF 45.55 FEET TO A PORTION ON THE EASTERLY LINE OF SAID LOT 1; THENCE ALONG SAID EASTERLY LINE SOUTH 24°18'25" WEST 40.00 FEET TO THE POINT OF BEGINNING.

| | | | | | | | |
|--------|---|-------------------|--------|---|---------------|--------|---|
| SCALE | 5 | LEGAL DESCRIPTION | SCALE | 2 | ABBREVIATIONS | SCALE | 1 |
| N.T.S. | | | N.T.S. | | | N.T.S. | |

| ABBREVIATION | DEFINITION | GRND. | GROUND |
|--------------|----------------------------|-----------|----------------------------|
| A.B. | ANCHOR BOLT | HDR. | HEADER |
| ABV. | ABOVE | HGR. | HEIGHT |
| AC | AIR CONDITIONING | ICGB. | ISOLATED COPPER GROUND BUS |
| ACU | AIR CONDITIONING UNIT | IGR | INTERIOR GROUND RING |
| ACCA | ANTENNA CABLE COVER ASSY. | IN. (") | INCH(ES) |
| ADD'L | ADDITIONAL | INT. | INTERIOR |
| A.F.F. | ABOVE FINISHED FLOOR | LB. (#) | POUND(S) |
| A.F.G. | ABOVE FINISHED GRADE | L.B. | LAG BOLTS |
| A.G.L. | ABOVE GRADE LEVEL | L.F. | LINEAR FEET (FOOT) |
| ALUM. | ALUMINUM | L. | LONG(ITUDINAL) |
| ALT. | ALTERNATE | MGB | MASTER GROUND BUS |
| ANT. | ANTENNA | MAS. | MASONRY |
| APPRX. | APPROXIMATE(LY) | MAX. | MAXIMUM |
| APX | APEX | M.B. | MACHINE BOLT |
| ARCH. | ARCHITECT(URAL) | MECH. | MECHANICAL |
| ASSY. | ASSEMBLY | MFR. | MANUFACTURER |
| AWG. | AMERICAN WIRE GAUGE | MIN. | MINIMUM |
| BCN | BEACON | MISC. | MISCELLANEOUS |
| BD. | BOLLARD | MTL. | METAL |
| BDK | BRASS DISK | MW | MICROWAVE |
| BLDG. | BUILDING | (N) | NEW |
| BLK. | BLOCK | NO. (#) | NUMBER |
| BLKG. | BLOCKING | N.T.S. | NOT TO SCALE |
| BM | BEAM / BENCH MARK | O.C. | ON CENTER |
| B.N. | BOUNDARY NAILING | OH. | OVERHEAD |
| BTCW. | BARE TINNED COPPER WIRE | OHP | OVERHEAD POWER LINE |
| B.O.F. | BOTTOM OF FOOTING | OPNG. | OPENING |
| BTM. | BOTTOM | P/C | PRECAST CONCRETE |
| BRC. | BRACE | PLY. | PLYWOOD |
| BTS | BASE TRANSCIVER STATION | PPC | POWER PROTECTION CABINET |
| B.W.F. | BARBED WIRE FENCE | P.S.F. | POUNDS PER SQUARE FOOT |
| BU | BACK-UP CABINET | P.S.I. | POUNDS PER SQUARE INCH |
| CAB. | CABINET | P.T. | PRESSURE TREATED |
| CANT. | CANTILEVER(ED) | PWR. | POWER (CABINET) |
| C.I.P. | CAST IN PLACE | QTY. | QUANTITY |
| C.L.F. | CHAIN LINK FENCE | R. | RADIUS |
| CLG. | CEILING | RAD. CTR. | RADIATION CENTER |
| CLR. | CLEAR | RBS | RADIO BASE STATION |
| COL. | COLUMN | REF. | REFERENCE |
| CONC. | CONCRETE | REINF. | REINFORCEMENT(ING) |
| CONN. | CONNECTION(OR) | REQD. | REQUIRED |
| CONST. | CONSTRUCTION | RF | RADIO FREQUENCY |
| CONT. | CONTINUOUS | RGS | RIGID GALVANIZED STEEL |
| CPD | CONCRETE PAD | RRU | REMOTE RADIO UNIT |
| C.T. | CABLE TRAY | RRH | REMOTE RADIO HEAD |
| d | PENNY (NAILS) | SCH. | SCHEDULE |
| DBL. | DOUBLE | SHT. | SHEET |
| DEF. | DEFINITION | SIM. | SIMILAR |
| DEPT. | DEPARTMENT | SPEC. | SPECIFICATION(S) |
| D.F. | DOUGLAS FIR | SP | STEEL PLATE |
| DIA. (Ø) | DIAMETER | SQ. | SQUARE |
| DIAG. | DIAGONAL | S.S. | STAINLESS STEEL |
| DIM. | DIMENSION | STD. | STANDARD |
| DR. | DOOR | STL. | STEEL |
| DWG. | DRAWING(S) | STRUC. | STRUCTURAL |
| DWL. | DOWEL(S) | T.B.D. | TO BE DETERMINED |
| EA. | EACH | T.B.R. | TO BE RESOLVED |
| EBX | ELECTRICAL BOX | TEMP. | TEMPORARY |
| EG | EQUIPMENT GROUND | THK. | THICK(NESS) |
| EGR | EQUIPMENT GROUND RING | TMA | TOWER MOUNTED AMPLIFIER |
| EL. | ELEVATION | T.N. | TOE NAIL |
| ELEC. | ELECTRICAL | T.O.A. | TOP OF ANTENNA |
| ELEV. | ELEVATOR | T.O.C. | TOP OF CURB |
| EM | ELECTRICAL METER | T.O.F. | TOP OF FOUNDATION |
| E.M.T. | ELECTRICAL METALLIC TUBING | T.O.P. | TOP OF PLATE (PARAPET) |
| E.O.P. | EDGE OF PAVEMENT | T.O.S. | TOP OF STEEL |
| EQ. (=) | EQUAL | T.O.W. | TOP OF WALL |
| EVLT | ELECTRICAL VAULT | TWR. | TOWER |
| ENG. | EXPANSION | TYP. | TYPICAL |
| EXST. | EXISTING | U.G. | UNDER GROUND |
| EXT. | EXTERIOR | U.L. | UTILITY POLE |
| FAB. | FABRICATION(OR) | U.N.O. | UNLESS NOTED OTHERWISE |
| F.N. | FINISH FLOOR | V.I.N. | VERIFY IN FIELD |
| F.O. | FINISH GRADE | W. | WIDE(WIDTH) |
| FIN. | FINISH(ED) | WD. | WOOD |
| FLR. | FLOOR | W.P. | WEATHERPROOF |
| FDN. | FOUNDATION | WT. | WEIGHT |
| F..C. | FACE OF CONCRETE | | |
| F..M. | FACE OF MASONRY | | |
| F..S. | FACE OF STUD | | |
| F..W. | FACE OF WALL | | |
| F.S. | FINISHED SURFACE | | |
| FT. (') | FOOT(FEET) | | |
| FTG. | FOOTING | | |
| GA. | GAUGE | | |
| GL. | GALVANIZE(D) | | |
| G.F.I. | GROUND FAULT INTERRUPTER | | |
| GEN | GENERATOR | | |
| GLB. | GLOBAL POSITIONING SYSTEM | | |
| GRC. | GROWTH RADIO CABINET | | |

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www.sacw.com

REVISIONS

| REV. | DATE | DESCRIPTION | INITIALS |
|------|----------|---------------|----------|
| 0 | 11/05/18 | 90% CD's | JP |
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| △ | 10/21/19 | CITY COMMENTS | YK |
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NESTOR T. POPOWYCH
C-27496
RENEWAL 4-30-19

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

CUP
TIERRASANTA ADVENTIST
SD06798A
11260 CLAIREMONT MESA BOULEVARD
SAN DIEGO, CA 92124

SHEET TITLE
ABBREVIATIONS, LEGAL
DESCRIPTION,
REFERENCED DOCUMENTS,
LEGEND & SIGNAGE

SHEET NUMBER
T-3.0

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

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LETTER OF AUTHORIZATION

TO: City of San Diego
 Planning and Development Review Department
 1222 First Avenue, MS 301
 San Diego, CA 92101-4101

RE: Application for Zoning and Permitting

The undersigned authorized representative of Southern California Conference Of Seventh-Day Adventists Church, owner of the Property ("Owner") described below does hereby appoint SAC, an authorized representative of T-Mobile West LLC, a Delaware limited liability company, as agent for the purpose of submitting any application necessary to secure its ability to use and/or construct improvements to the Property located as located for the purpose of construction a wireless communications facility. I understand that the application may be altered, modified or approved with conditions and that these conditions or modifications must be complied with prior to issuance of building permits. Owner hereby authorizes the employees of San Diego to release building records to T-Mobile and SAC representatives, and to enter upon the Property during normal business hours as necessary to inspect the Property for the purpose of processing this application.

Property located at: 11260 Clairemont Mesa Boulevard, San Diego, CA 92124 ("Property")

Parcel Number(s): 273-109-20-00

Owner's Name: Southern California Conference Of Seventh-Day Adventist Church

Signature (and title, if applicable) of Property Owner: *[Signature]*

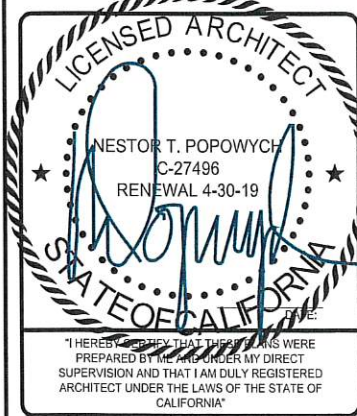
Name: Sasha Brucard-Robinson
 First Name Surname Initial
 as authorized representative of T-Mobile West LLC
Title: Attorney-in-Fact for Owner

Date Executed: 10/1/2019

Site ID: SD06798A **Site Name:** Tierrasanta Adventist

the designpro architectural engineering construction
 510 West Madison Street, 11th Floor, Chicago, IL 60601 T 312.656.6877 F 312.656.6871 www.designpro.com

| REVISIONS | | | |
|-----------|----------|---------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
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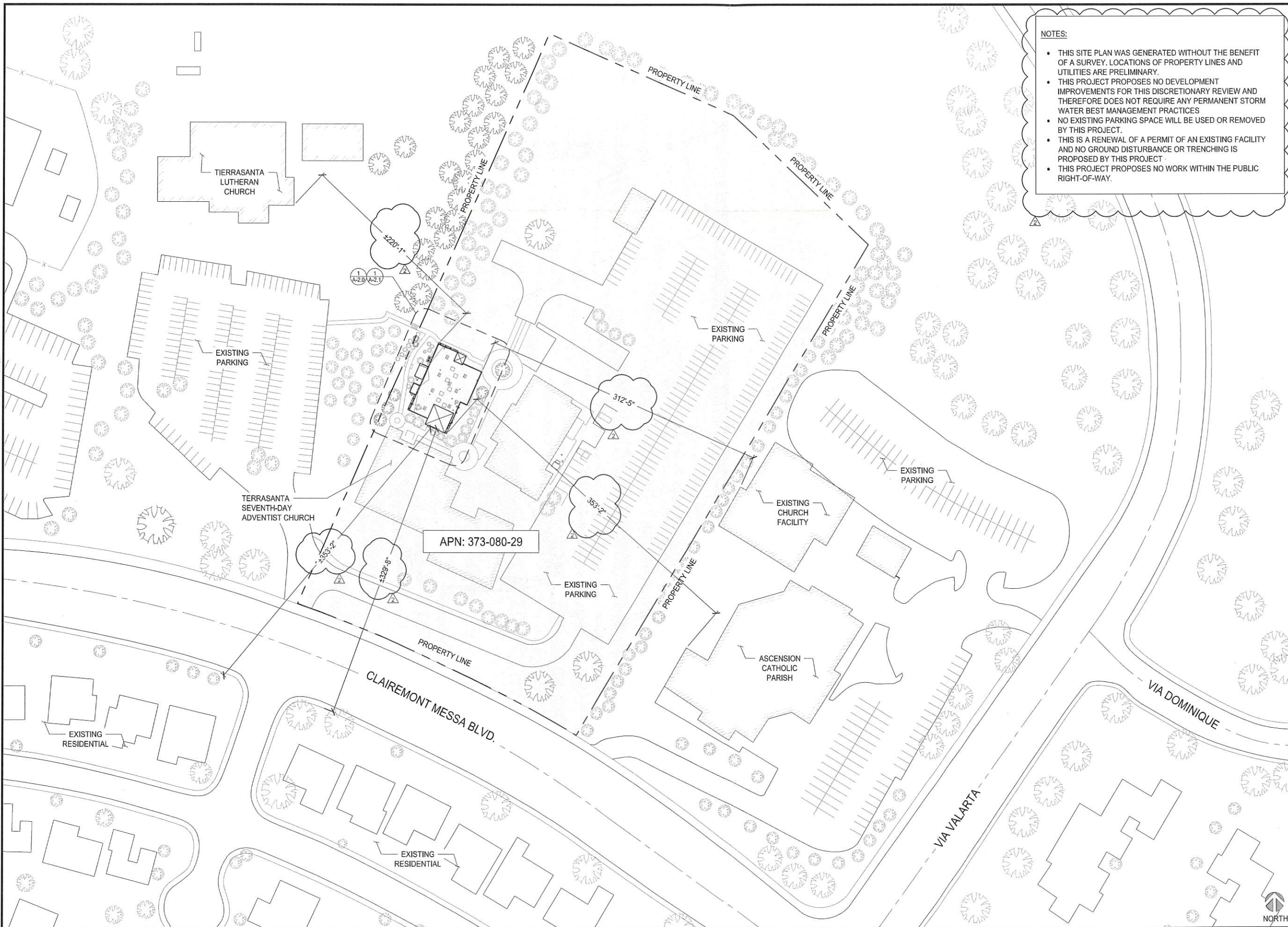


CUP
 TIERRASANTA ADVENTIST
 SD06798A
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 SAN DIEGO, CA 92124

SHEET TITLE
 LETTER OF AUTHORIZATION

SHEET NUMBER
 T-4.0

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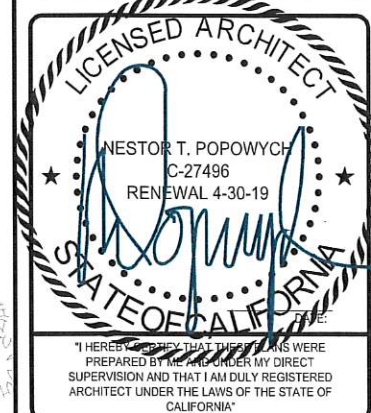


NOTES:

- THIS SITE PLAN WAS GENERATED WITHOUT THE BENEFIT OF A SURVEY. LOCATIONS OF PROPERTY LINES AND UTILITIES ARE PRELIMINARY.
- THIS PROJECT PROPOSES NO DEVELOPMENT IMPROVEMENTS FOR THIS DISCRETIONARY REVIEW AND THEREFORE DOES NOT REQUIRE ANY PERMANENT STORM WATER BEST MANAGEMENT PRACTICES
- NO EXISTING PARKING SPACE WILL BE USED OR REMOVED BY THIS PROJECT.
- THIS IS A RENEWAL OF A PERMIT OF AN EXISTING FACILITY AND NO GROUND DISTURBANCE OR TRENCHING IS PROPOSED BY THIS PROJECT
- THIS PROJECT PROPOSES NO WORK WITHIN THE PUBLIC RIGHT-OF-WAY.



| REVISIONS | | | |
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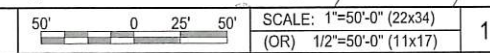


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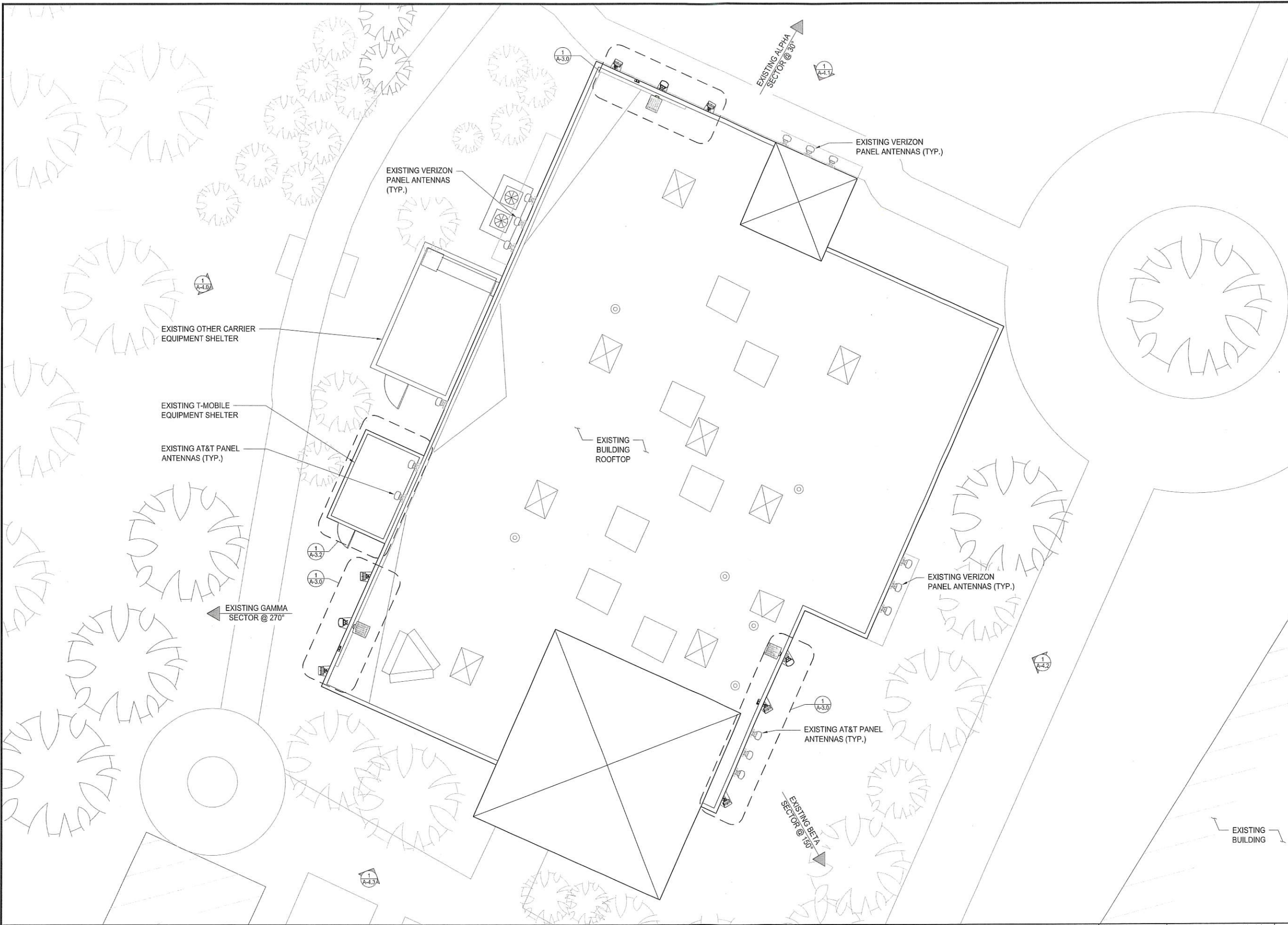
SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A-1.0

OVERALL SITE PLAN



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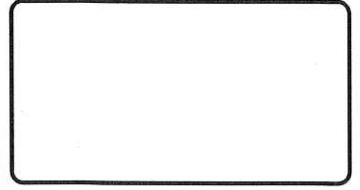


EXISTING ENLARGED SITE PLAN

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)

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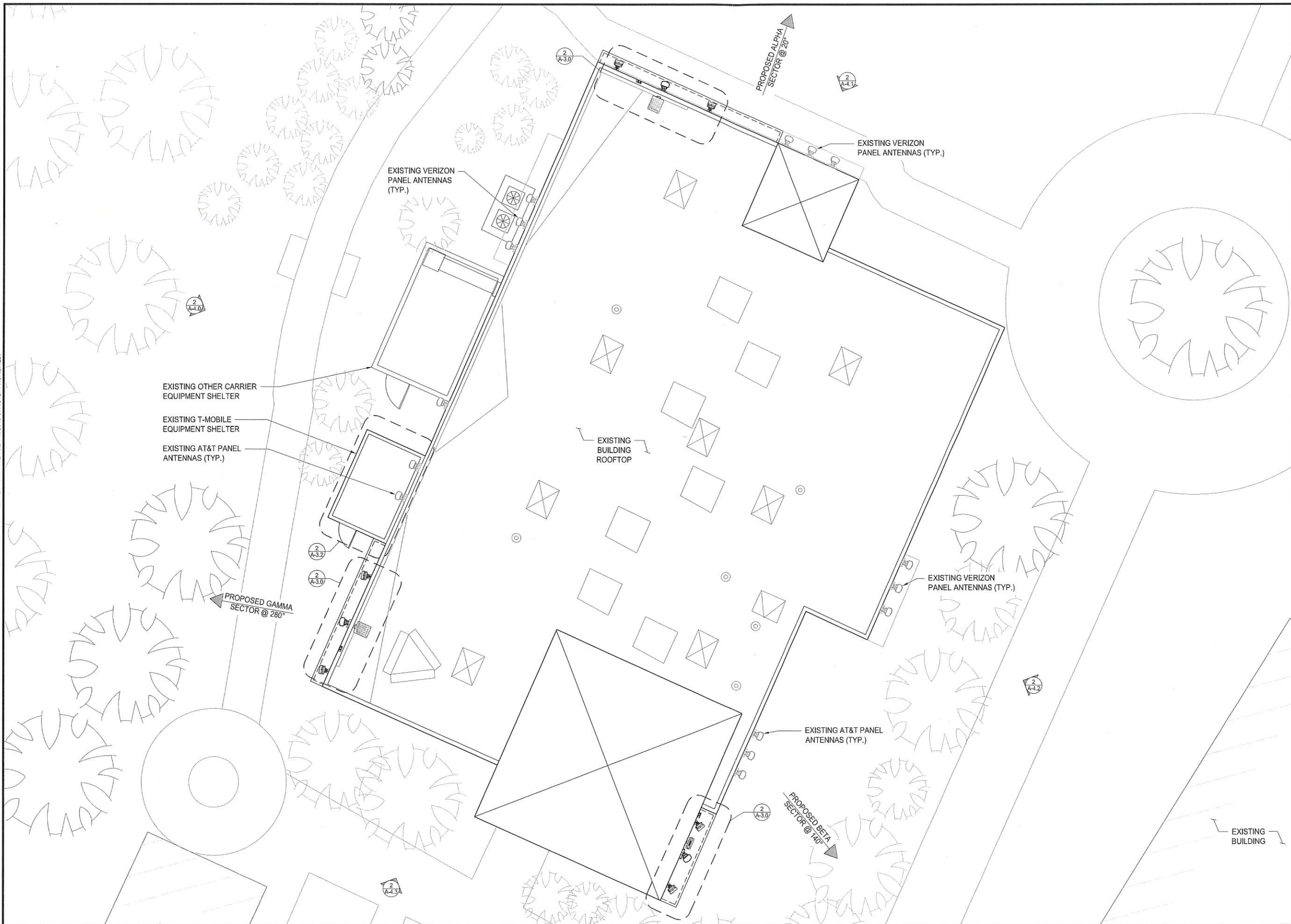
LICENSED ARCHITECT
NESTOR T. POPOWYCH
C-27496
RENEWAL 4-30-19
STATE OF CALIFORNIA
I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

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TIERRASANTA ADVENTIST
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SHEET TITLE
EXISTING ENLARGED
SITE PLAN

SHEET NUMBER
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 10609 VISTA SORRENTO PKWY #206
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 WWW.SACW.COM

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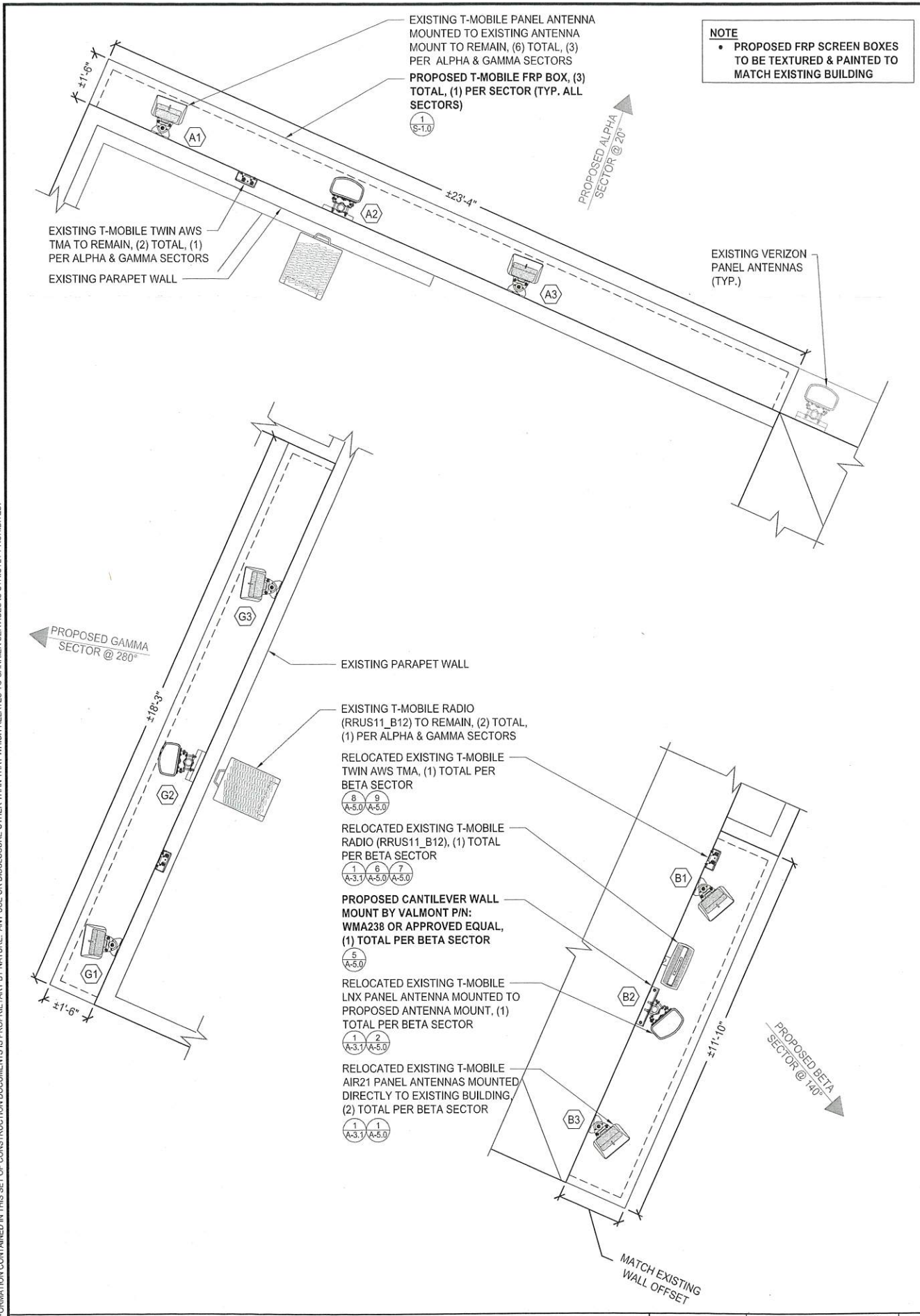
SHEET TITLE
PROPOSED ENLARGED SITE PLAN

SHEET NUMBER
A-2.1

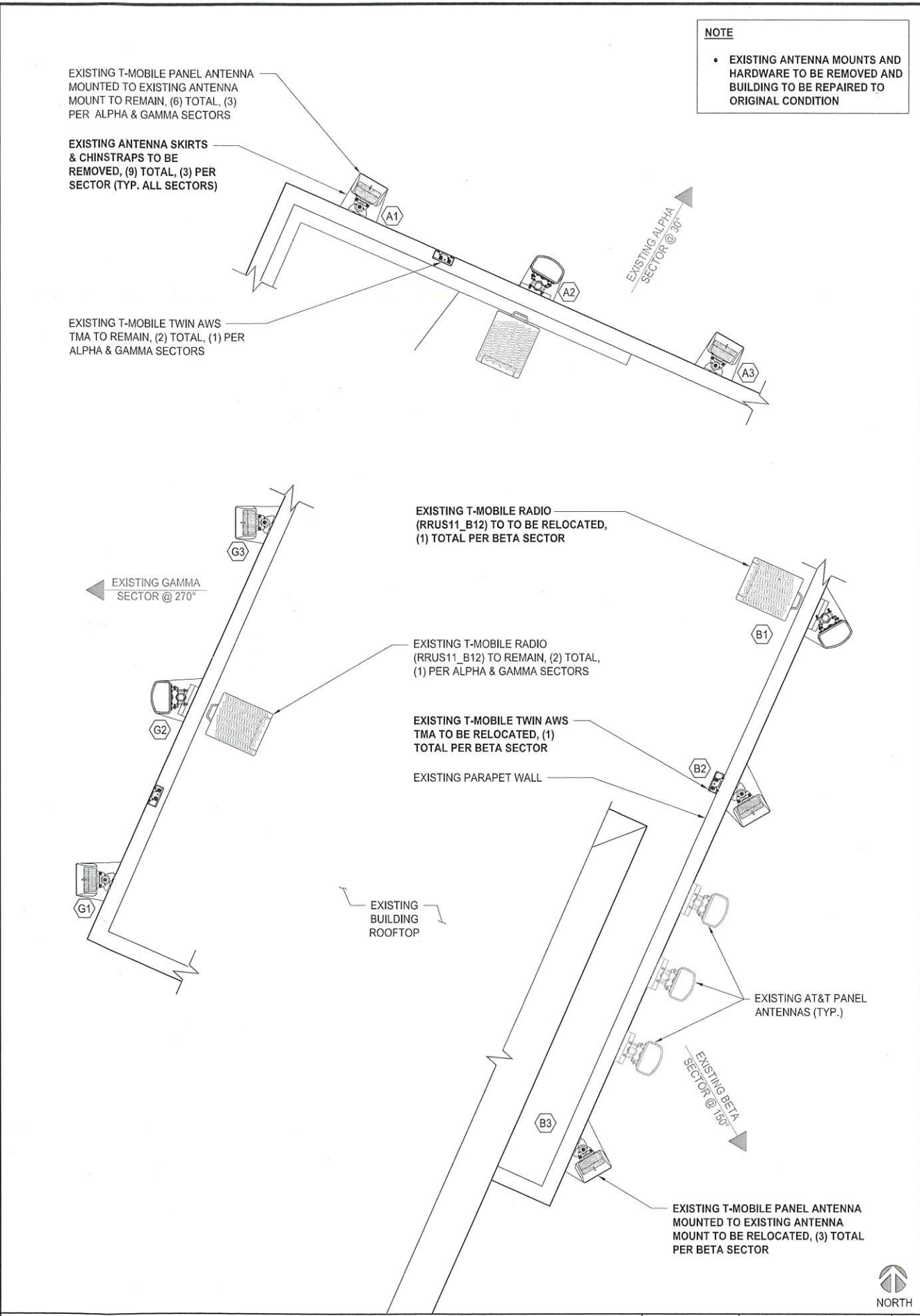
PROPOSED ENLARGED SITE PLAN

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
 (OR) 3/32"=1'-0" (11x17)

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NOTE
 • PROPOSED FRP SCREEN BOXES TO BE TEXTURED & PAINTED TO MATCH EXISTING BUILDING



NOTE
 • EXISTING ANTENNA MOUNTS AND HARDWARE TO BE REMOVED AND BUILDING TO BE REPAIRED TO ORIGINAL CONDITION



| REVISIONS | | | |
|-----------|----------|---------------|----------|
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CUP
 TIERRASANTA ADVENTIST
 SD06798A
 11260 CLAIREMONT MESA BOULEVARD
 SAN DIEGO, CA 92124

SHEET TITLE
EXISTING & PROPOSED ANTENNA PLANS

SHEET NUMBER
A-3.0

PROPOSED ANTENNA PLAN

0 6" 1" 2" SCALE: 1/2"=1'-0" (22x34)
 (OR) 1/4"=1'-0" (11x17)

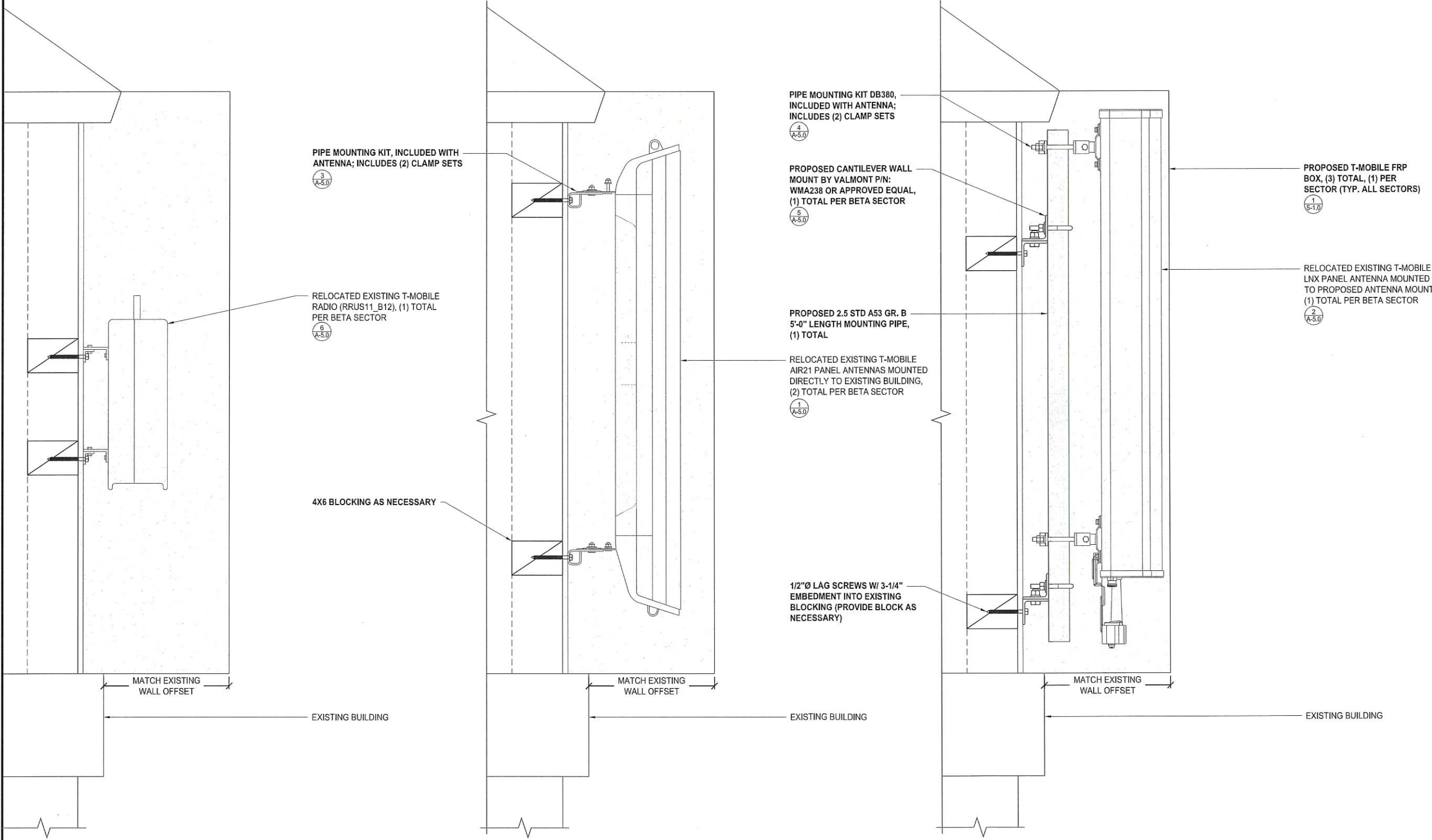
EXISTING ANTENNA PLAN

0 6" 1" 2" SCALE: 1/2"=1'-0" (22x34)
 (OR) 1/4"=1'-0" (11x17)



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NOTE
 • PROPOSED FRP SCREEN BOX (BETA SECTOR) TO BE NOTCHED TO FIT AROUND EXISTING BUILDING ELEMENTS



PIPE MOUNTING KIT DB380, INCLUDED WITH ANTENNA; INCLUDES (2) CLAMP SETS
 4
 A-5.0

PROPOSED CANTILEVER WALL MOUNT BY VALMONT P/N: WMA238 OR APPROVED EQUAL, (1) TOTAL PER BETA SECTOR
 5
 A-5.0

PROPOSED 2.5 STD A53 GR. B 5'-0" LENGTH MOUNTING PIPE, (1) TOTAL
 1
 A-5.0

RELOCATED EXISTING T-MOBILE AIR21 PANEL ANTENNAS MOUNTED DIRECTLY TO EXISTING BUILDING, (2) TOTAL PER BETA SECTOR
 1
 A-5.0

1/2"Ø LAG SCREWS W/ 3-1/4" EMBEDMENT INTO EXISTING BLOCKING (PROVIDE BLOCK AS NECESSARY)

PROPOSED T-MOBILE FRP BOX, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)
 1
 S-1.0

RELOCATED EXISTING T-MOBILE LNX PANEL ANTENNA MOUNTED TO PROPOSED ANTENNA MOUNT, (1) TOTAL PER BETA SECTOR
 2
 A-5.0

PIPE MOUNTING KIT, INCLUDED WITH ANTENNA; INCLUDES (2) CLAMP SETS
 3
 A-5.0

RELOCATED EXISTING T-MOBILE RADIO (RRUS11_B12), (1) TOTAL PER BETA SECTOR
 6
 A-5.0

4X6 BLOCKING AS NECESSARY

MATCH EXISTING WALL OFFSET

MATCH EXISTING WALL OFFSET

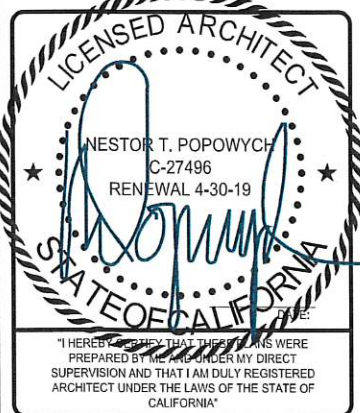
MATCH EXISTING WALL OFFSET

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

| REVISIONS | | | |
|-----------|----------|---------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 11/05/18 | 90% CD's | JP |
| 1 | 11/26/18 | 100% CD's | EC |
| △ | 10/21/19 | CITY COMMENTS | YK |
| | | | |
| | | | |
| | | | |



CUP
 TIERRASANTA ADVENTIST
 SD06798A
 11260 CLAIREMONT MESA BOULEVARD
 SAN DIEGO, CA 92124

SHEET TITLE
 ANTENNA & RADIO MOUNTING DETAILS (BETA SECTOR)

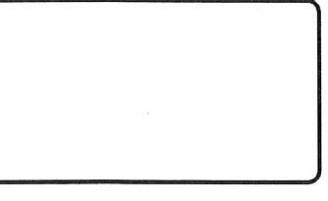
SHEET NUMBER
 A-3.1

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

| SECTOR | AZIMUTH | RAD CENTER | TOP OF ANTENNA | GENERAL ANTENNA SIZE | POSITION | EXISTING OR PROPOSED | ANTENNA MODEL | TMA/RADIO | CABLE | CABLE LENGTH AS PER RFDS |
|--------|---------|------------|----------------|----------------------|----------|----------------------|---------------------|----------------|--|----------------------------|
| ALPHA | 20° | 24'-0" | 26'-0" | 4'-0" | 1 | EXISTING TO REMAIN | KRC118023-1_B2A_B4P | (1) TWIN AWS | (2) 7/8" LMU (2) 7/8" COAX (2) FIBER | 97'-0" 97'-0" 16'-0" |
| | | | | 4'-0" | 2 | EXISTING TO REMAIN | LNX-6513DS-A1M | (1) RRUS11 B12 | (2) FIBER | 16'-0" |
| | | | | 4'-0" | 3 | EXISTING TO REMAIN | KRC118023-1_B2P_B4A | N/A | (2) FIBER (1) 3X6 HCS | 16'-0" 140'/42M |
| | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| BETA | 140° | 22'-0" | 24'-0" | 4'-0" | 1 | RELOCATED EXISTING | LNX-6513DS-A1M | (1) RRUS11 B12 | (2) FIBER | 16'-0" |
| | | | | 4'-0" | 2 | RELOCATED EXISTING | KRC118023-1_B2A_B4P | (1) TWIN AWS | (2) 7/8" LMU (2) 7/8" COAX (2) FIBER | 95'-0" 95'-0" 16'-0" |
| | | | | 4'-0" | 3 | RELOCATED EXISTING | KRC118023-1_B2P_B4A | N/A | (1) FIBER (1) 3X6 HCS | 16'-0" 115'/35M |
| | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| GAMMA | 280° | 24'-0" | 26'-0" | 4'-0" | 1 | EXISTING TO REMAIN | KRC118023-1_B2A_B4P | (1) TWIN AWS | (2) 7/8" LMU (2) 7/8" COAX (2) FIBER | 93'-0" 93'-0" 16'-0" |
| | | | | 4'-0" | 2 | EXISTING TO REMAIN | LNX-6513DS-A1M | (1) RRUS11 B12 | (2) FIBER | 16'-0" |
| | | | | 4'-0" | 3 | EXISTING TO REMAIN | KRC118023-1_B2P_B4A | N/A | (2) FIBER (1) 3X6 HCS | 16'-0" 55'/16M |
| | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| DELTA | 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 | 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 | N/A | N/A | N/A | N/A | N/A |

NOTE: NO NEW BATTERIES TO BE ADDED

| EXISTING BATTERY SPECIFICATIONS | |
|--|-----------|
| CABINET #1 TYPE | PBC 6500 |
| BATTERY MANUFACTURER | NORTHSTAR |
| MODEL NUMBER: | NSB100FT |
| ELECTROLYTE CONTENT PER BATTERY (IN GALLONS) | 1.2 |
| ELECTROLYTE HAZARD CLASSIFICATION PER '13 C.F.C. (8.7% SULFURIC ACID): | CORROSIVE |
| NUMBER OF BATTERIES INSTALLED | 8 |
| MAXIMUM NUMBER OF BATTERIES PER CABINET | 20 |
| TOTAL ELECTROLYTES CONTAINED IN CABINET | 9.6 |



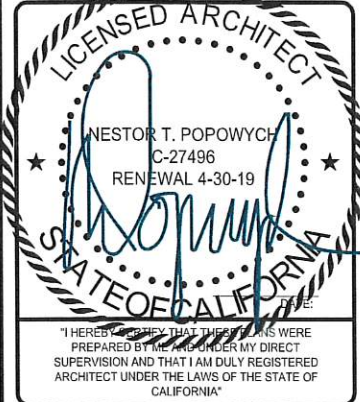
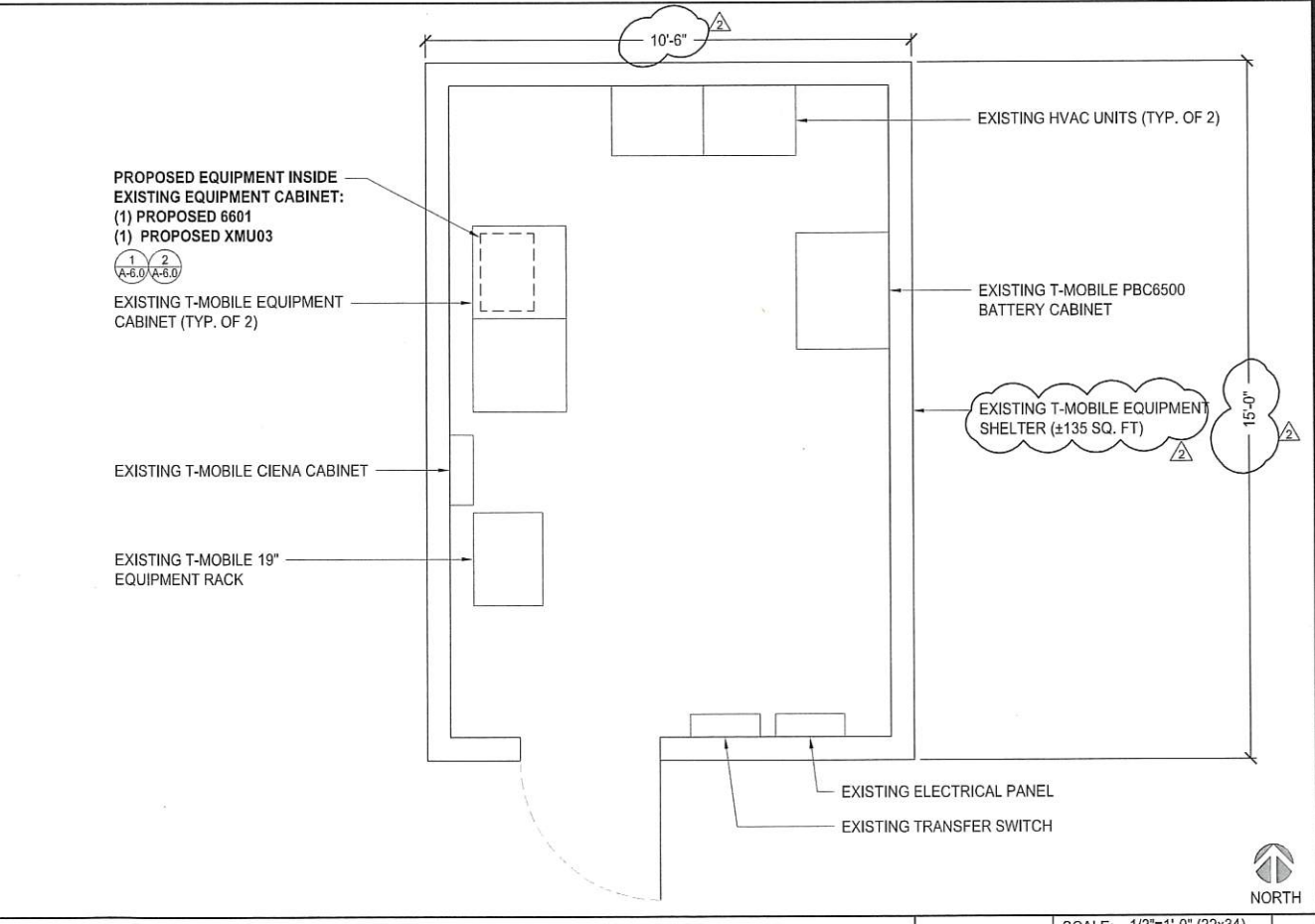
| REVISIONS | | | |
|-----------|----------|---------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 11/05/18 | 90% CD's | JP |
| 1 | 11/26/18 | 100% CD's | EC |
| 2 | 10/21/19 | CITY COMMENTS | YK |
| | | | |
| | | | |
| | | | |

CONTRACTOR TO REFERENCE FINAL RFDS PRIOR TO CONSTRUCTION

EXISTING BATTERY CALCULATIONS

SCALE N.T.S. 2

| SECTOR | AZIMUTH | RAD CENTER | TOP OF ANTENNA | GENERAL ANTENNA SIZE | POSITION | EXISTING OR PROPOSED | ANTENNA MODEL | TMA/RADIO | CABLE | CABLE LENGTH AS PER RFDS |
|--------|---------|------------|----------------|----------------------|----------|--------------------------|---------------------|---------------|--|----------------------------|
| ALPHA | 30° | 24'-0" | 26'-0" | 4'-0" | 1 | EXISTING TO REMAIN | KRC118023-1_B2A_B4P | (1) TWIN AWS | (2) 7/8" LMU (2) 7/8" COAX (2) FIBER | 97'-0" 97'-0" 16'-0" |
| | | | | 4'-0" | 2 | EXISTING TO REMAIN | LNX-6513DS-A1M | (1) RRUS11B12 | (2) FIBER | 16'-0" |
| | | | | 4'-0" | 3 | EXISTING TO REMAIN | KRC118023-1_B2P_B4A | N/A | (2) FIBER | 16'-0" |
| | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| BETA | 150° | 22'-0" | 24'-0" | 4'-0" | 1 | EXISTING TO BE RELOCATED | LNX-6513DS-A1M | (1) RRUS11B12 | (2) FIBER | 16'-0" |
| | | | | 4'-0" | 2 | EXISTING TO BE RELOCATED | KRC118023-1_B2A_B4P | (1) TWIN AWS | (2) 7/8" LMU (2) 7/8" COAX (2) FIBER | 95'-0" 95'-0" 16'-0" |
| | | | | 4'-0" | 3 | EXISTING TO BE RELOCATED | KRC118023-1_B2P_B4A | N/A | (1) FIBER | 16'-0" |
| | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| GAMMA | 270° | 24'-0" | 26'-0" | 4'-0" | 1 | EXISTING TO REMAIN | KRC118023-1_B2A_B4P | (1) TWIN AWS | (2) 7/8" LMU (2) 7/8" COAX (2) FIBER | 93'-0" 93'-0" 16'-0" |
| | | | | 4'-0" | 2 | EXISTING TO REMAIN | LNX-6513DS-A1M | (1) RRUS11B12 | (2) FIBER | 16'-0" |
| | | | | 4'-0" | 3 | EXISTING TO REMAIN | KRC118023-1_B2P_B4A | N/A | (2) FIBER | 16'-0" |
| | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| DELTA | 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 | 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 | N/A | N/A | N/A | N/A | N/A |



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SHEET TITLE
EQUIPMENT PLANS,
EXISTING BATTERY
CALCULATIONS &
ANTENNA SCHEDULE

SHEET NUMBER
A-3.2

PROPOSED & EXISTING ANTENNA SCHEDULES

EQUIPMENT PLAN

SCALE N.T.S. 3

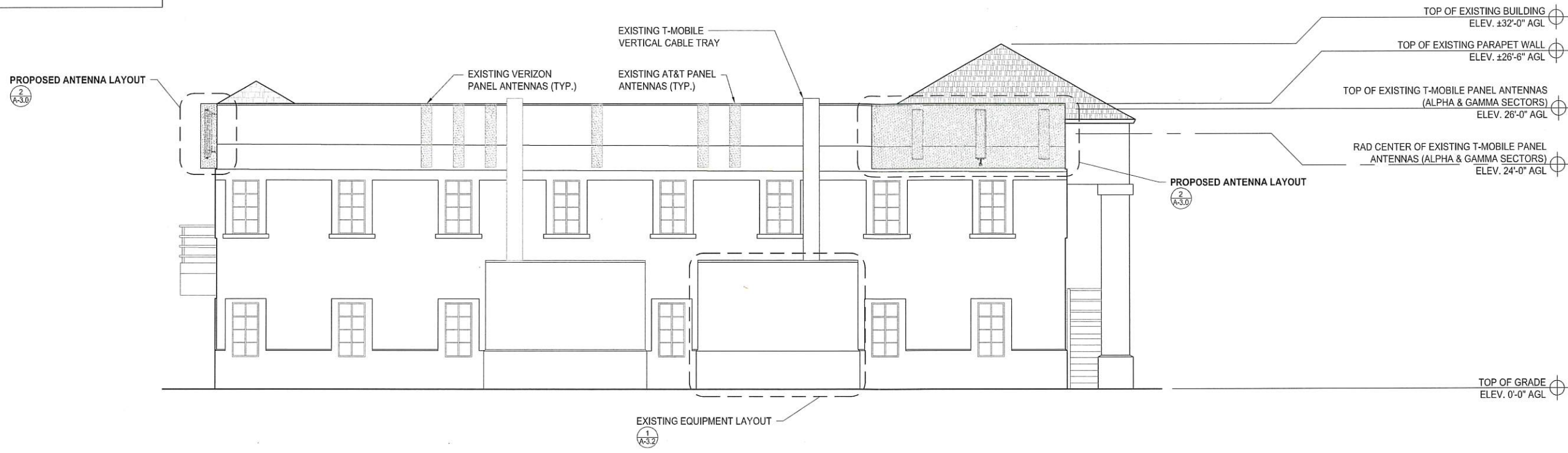
SCALE: 1/2"=1'-0" (22x34)
(OR) 1/4"=1'-0" (11x17) 1



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NOTE

- PROPOSED FRP BOXES TO BE PAINTED AND TEXTURED TO MATCH EXISTING BUILDING

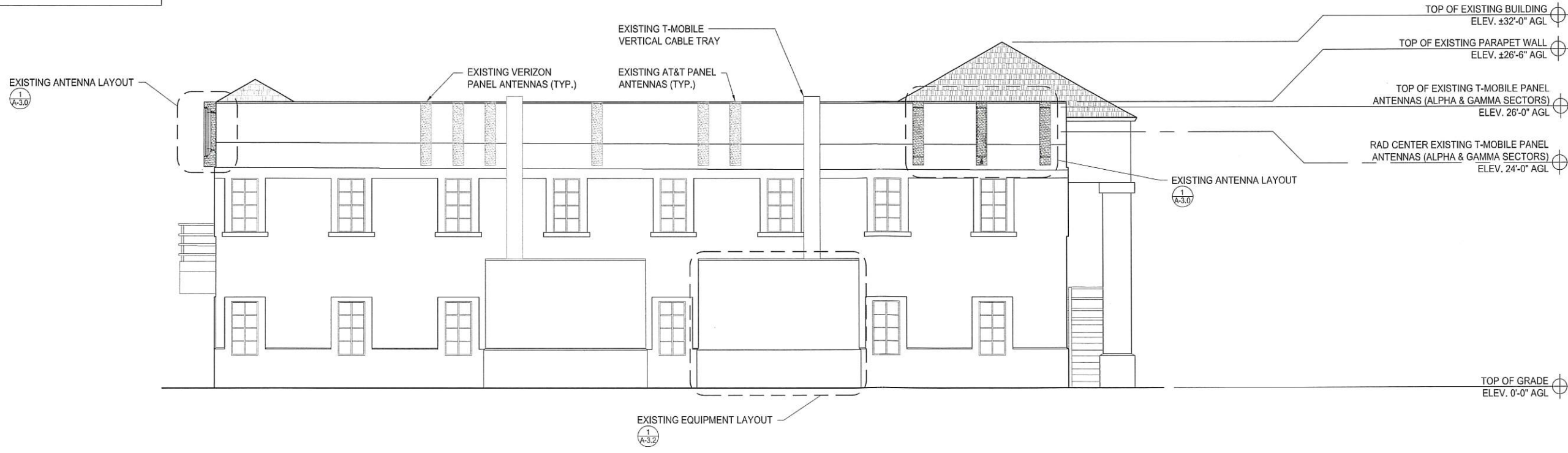


PROPOSED NORTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 2

NOTE

- EXISTING ANTENNA MOUNTS AND HARDWARE TO BE REMOVED AND BUILDING TO BE REPAIRED TO ORIGINAL CONDITION

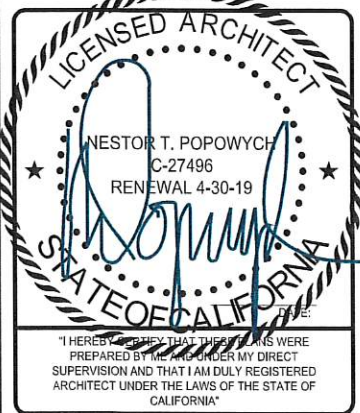


EXISTING NORTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 1



| REVISIONS | | | |
|-----------|----------|---------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 11/05/18 | 90% CD's | JP |
| 1 | 11/26/18 | 100% CD's | EC |
| 2 | 10/21/19 | CITY COMMENTS | YK |
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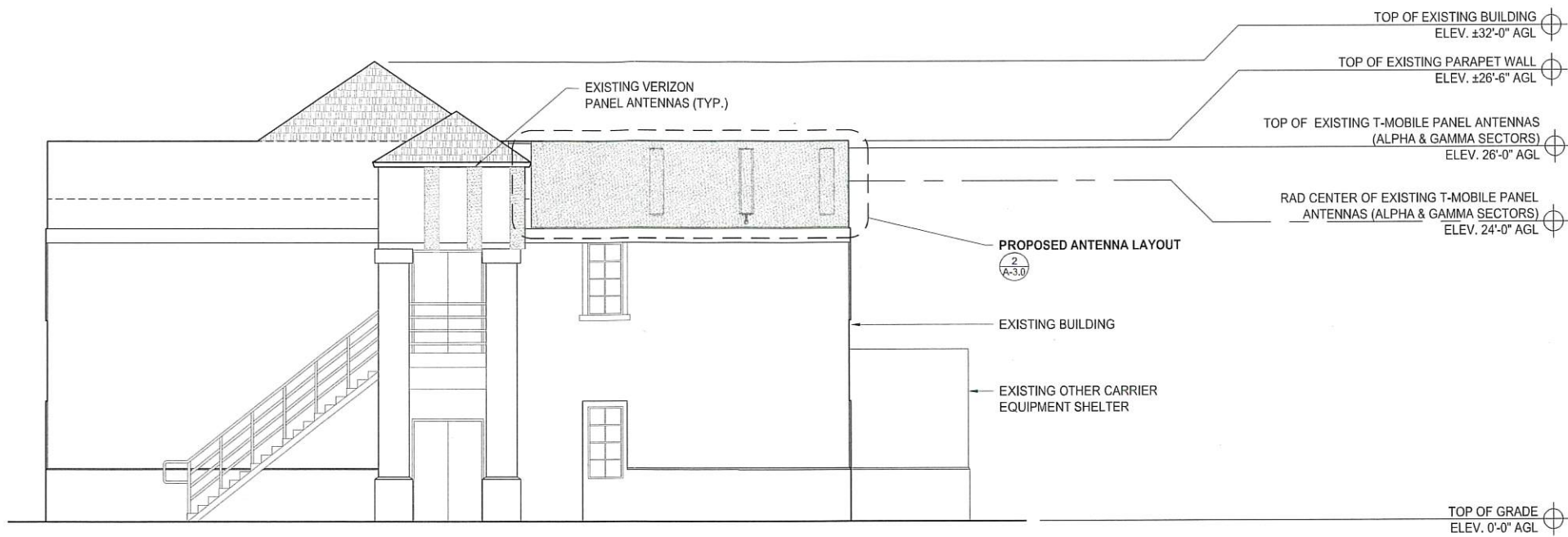
SHEET TITLE
**EXISTING & PROPOSED
NORTHWEST ELEVATIONS**

SHEET NUMBER
A-4.0

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NOTE

- PROPOSED FRP BOXES TO BE PAINTED AND TEXTURED TO MATCH EXISTING BUILDING

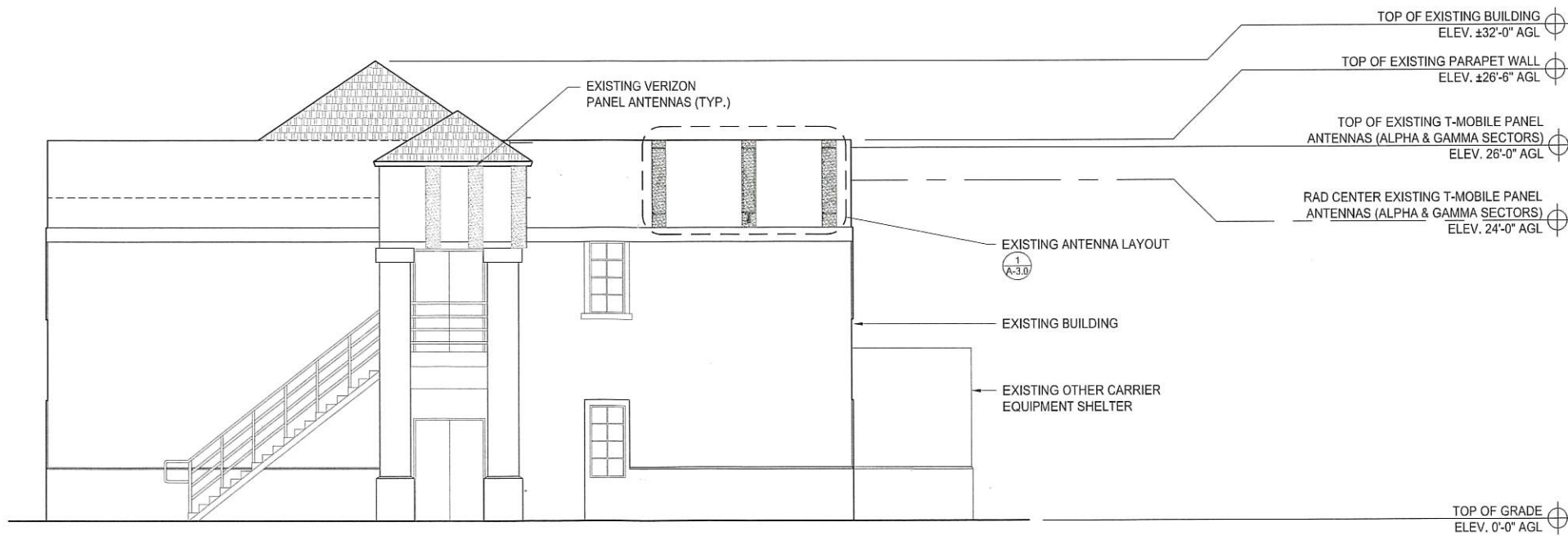


PROPOSED NORTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 2

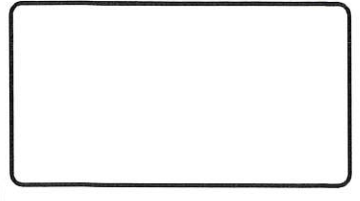
NOTE

- EXISTING ANTENNA MOUNTS AND HARDWARE TO BE REMOVED AND BUILDING TO BE REPAIRED TO ORIGINAL CONDITION

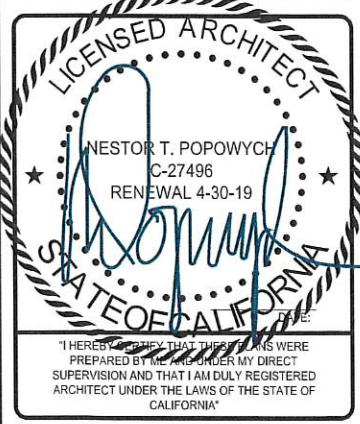


EXISTING NORTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 1



| REVISIONS | | | |
|-----------|----------|---------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 11/05/18 | 90% CD's | JP |
| 1 | 11/26/18 | 100% CD's | EC |
| 2 | 10/21/19 | CITY COMMENTS | YK |
| | | | |
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SAN DIEGO, CA 92124

SHEET TITLE
**EXISTING & PROPOSED
NORTHEAST ELEVATIONS**

SHEET NUMBER
A-4.1

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TOP OF EXISTING BUILDING
ELEV. ±32'-0" AGL

TOP OF RELOCATED EXISTING T-MOBILE
PANEL ANTENNAS (BETA SECTOR)
ELEV. 24'-0" AGL

RAD CENTER OF RELOCATED EXISTING
T-MOBILE PANEL ANTENNAS (BETA SECTOR)
ELEV. 22'-0" AGL

TOP OF GRADE
ELEV. 0'-0" AGL

PROPOSED ANTENNA LAYOUT

EXISTING AT&T PANEL
ANTENNAS (TYP.)

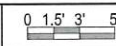
EXISTING VERIZON PANEL
ANTENNAS (TYP.)

EXISTING BUILDING

NOTE

- PROPOSED FRP BOXES TO BE PAINTED AND TEXTURED TO MATCH EXISTING BUILDING

PROPOSED SOUTHEAST ELEVATION



SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)

2

TOP OF EXISTING BUILDING
ELEV. ±32'-0" AGL

TOP OF EXISTING T-MOBILE PANEL
ANTENNAS (BETA SECTOR)
ELEV. 24'-0" AGL

RAD CENTER OF EXISTING T-MOBILE
PANEL ANTENNAS (BETA SECTOR)
ELEV. 22'-0" AGL

TOP OF GRADE
ELEV. 0'-0" AGL

EXISTING BUILDING

EXISTING AT&T PANEL
ANTENNAS (TYP.)

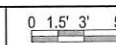
EXISTING ANTENNA LAYOUT

EXISTING VERIZON PANEL
ANTENNAS (TYP.)

NOTE

- EXISTING ANTENNA MOUNTS AND HARDWARE TO BE REMOVED AND BUILDING TO BE REPAIRED TO ORIGINAL CONDITION

EXISTING SOUTHEAST ELEVATION



SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)

1



| REVISIONS | | | |
|---------------------------------|----------|---------------|----------|
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| △ | 10/21/19 | CITY COMMENTS | YK |
| TOP OF GRADE ELEV. 0'-0" AGL | | | |



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SHEET TITLE

EXISTING & PROPOSED
SOUTHEAST ELEVATIONS

SHEET NUMBER

A-4.2

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TOP OF EXISTING BUILDING
ELEV. ±32'-0" AGL

TOP OF EXISTING T-MOBILE PANEL
ANTENNAS (ALPHA & GAMMA SECTORS)
ELEV. 26'-0" AGL

RAD CENTER OF EXISTING T-MOBILE PANEL
ANTENNAS (ALPHA & GAMMA SECTORS)
ELEV. 24'-0" AGL

TOP OF GRADE
ELEV. 0'-0" AGL

PROPOSED ANTENNA LAYOUT

2
A-3.0

EXISTING EQUIPMENT LAYOUT

1
A-3.2

PROPOSED ANTENNA LAYOUT

2
A-3.0

NOTE

- PROPOSED FRP BOXES TO BE PAINTED AND TEXTURED TO MATCH EXISTING BUILDING

TOP OF RELOCATED EXISTING T-MOBILE
PANEL ANTENNAS (BETA SECTOR)
ELEV. 24'-0" AGL

RAD CENTER OF RELOCATED EXISTING
T-MOBILE PANEL ANTENNAS (BETA SECTOR)
ELEV. 22'-0" AGL

PROPOSED SOUTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 2

TOP OF EXISTING BUILDING
ELEV. ±32'-0" AGL

TOP OF EXISTING T-MOBILE PANEL
ANTENNAS (ALPHA & GAMMA SECTORS)
ELEV. 26'-0" AGL

RAD CENTER OF EXISTING T-MOBILE PANEL
ANTENNAS (ALPHA & GAMMA SECTORS)
ELEV. 24'-0" AGL

TOP OF GRADE
ELEV. 0'-0" AGL

EXISTING ANTENNA LAYOUT

1
A-3.0

EXISTING EQUIPMENT LAYOUT

1
A-3.2

EXISTING ANTENNA LAYOUT

1
A-3.0

NOTE

- EXISTING ANTENNA MOUNTS AND HARDWARE TO BE REMOVED AND BUILDING TO BE REPAIRED TO ORIGINAL CONDITION

TOP OF EXISTING T-MOBILE PANEL
ANTENNAS (BETA SECTOR)
ELEV. 24'-0" AGL

RAD CENTER OF EXISTING T-MOBILE
PANEL ANTENNAS (BETA SECTOR)
ELEV. 22'-0" AGL

EXISTING SOUTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 1



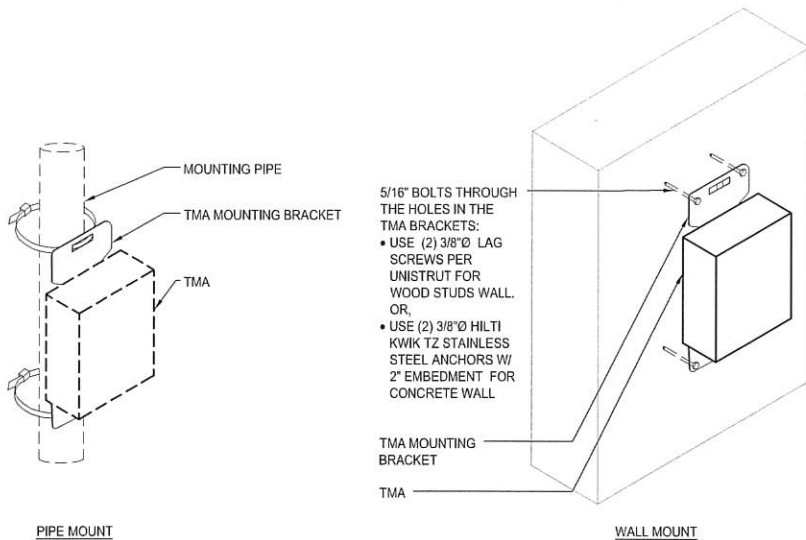
| REVISIONS | | | |
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| REV. | DATE | DESCRIPTION | INITIALS |
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| 1 | 11/26/18 | 100% CD's | EC |
| 2 | 10/21/19 | CITY COMMENTS | YK |
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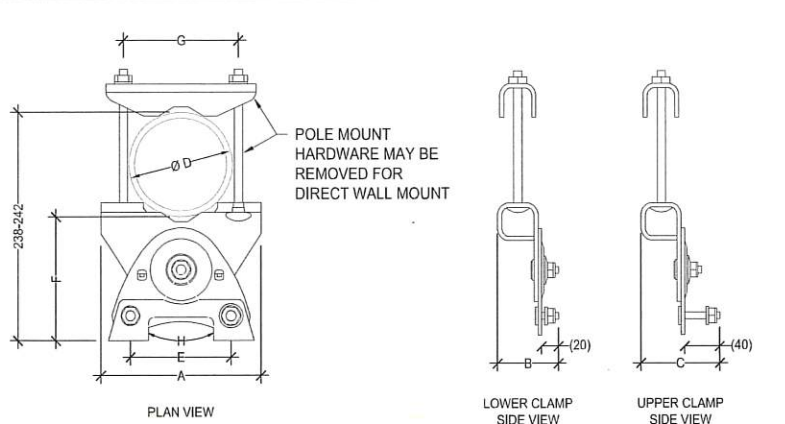
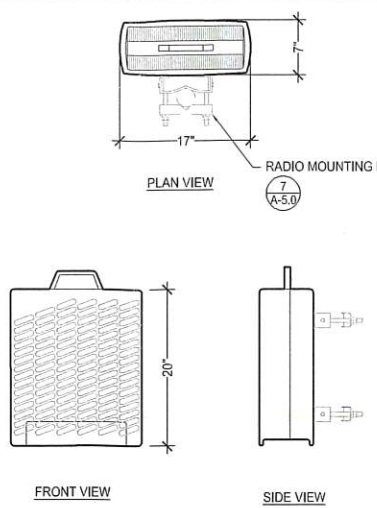
SHEET TITLE
**EXISTING & PROPOSED
SOUTHWEST ELEVATIONS**

SHEET NUMBER
A-4.3



5/16" BOLTS THROUGH THE HOLES IN THE TMA BRACKETS:
 • USE (2) 3/8" Ø LAG SCREWS PER UNISTRUT FOR WOOD STUDS WALL OR,
 • USE (2) 3/8" Ø HILTI KWIK TZ STAINLESS STEEL ANCHORS W/ 2" EMBEDMENT FOR CONCRETE WALL

MANUFACTURER: ERICSSON
 MODEL: RRUS-11
 FREQUENCY RANGE: 1710 - 2155 MHZ
 IMPEDANCE: 50 OHMS
 AZIMUTH BW: 64.5° ± 8°
 ELEVATION BW: 7.2° ± 1.2°
 GAIN, dBi: 17.5 ± 0.8
 POLARIZATION: ±45°
 VSWR: 1.35:1 / 16.5
 PORT-TO-PORT ISOLATION: >30 dB
 ELECTRICAL TILT RANGE: 2° - 10°
 ELECTRICAL DOWNTILT: ± 0.9°
 MAX. INPUT POWER: 250 WATTS
 LIGHTNING PROTECTION: DC GROUND
 GAIN VARIATION: 1.3 dB
 ELECTRICAL TILT ACC.: <0.55°
 AZIMUTH HPBW: 11.5°
 MECHANICAL
 NET WEIGHT: 50 LBS (INCLUDING MOUNTING BRACKET)
 DIMENSION (LxWxD): 19.7"x17"x7.2"
 COLOR: WHITE
 MOUNTING: STANDARD MOUNTING BRACKET
 HARDWARE MATERIAL: HOT DIP GALVANIZED



| A | B | C | D | E | F(Ø) | G | H |
|-------|------|------|----------|-------|-----------|-------|------|
| 174MM | 68MM | 88MM | 55-115MM | 110MM | 128-132MM | 126MM | ±30° |

TMA/DIPLEXER MOUNT

1-1/2"=1'-0" (22x34)
 3/4"=1'-0" (11x17) 9

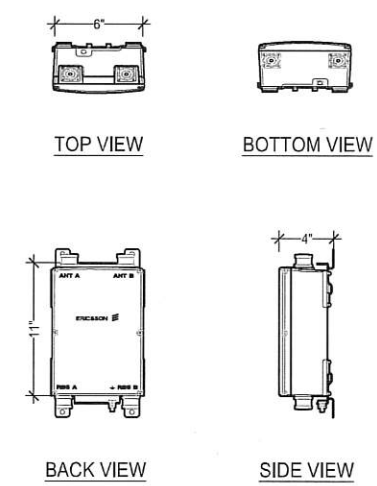
RRUS11

1"=1'-0" (22x34)
 1/2"=1'-0" (11x17) 6

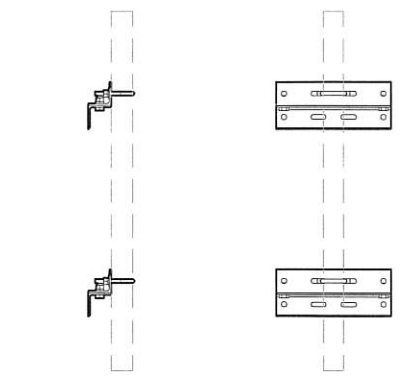
AIR ANTENNA CLAMP

3"=1'-0" (22x34)
 1-1/2"=1'-0" (11x17) 3

MANUFACTURER: ERICSSON
 MODEL: KRY 112 89/5
 DOUBLE TMA
 FREQUENCY RANGE RX: 1850 - 1910 MHZ
 FREQUENCY RANGE TX: 1930 - 1910 MHZ
 GAIN, dBi: 12 ± 1
 3RD ORDER 2 x 43 dBm
 INTERMODULATION:
 INPUT 1 dB COMPRESSION POINT dBm: 2.0
 3RD ORDER INTERCEPT POINT IP3 dBm: 15
 NOISE FIGURE MIDBAND dB: 1.2
 GROUP DELAY ns RX: 50
 GROUP DELAY ns TX: 16
 INSERTION LOSS RBS PORT TO ANT PORT dB TX: 0.5
 RETURN LOSS ANT PORT dB RX: 23
 RETURN LOSS ANT PORT dB TX: 24
 RETURN LOSS RBS PORT dB RX: 23
 RETURN LOSS RBS PORT dB TX: 24
 TX POWER HANDLING: dBm
 MAX SINGLE CARRIER: 49
 AVERAGE 6 CARRIERS: 55
 MAX PEAK 6 CARRIERS: 65
 VOLUME: 4.3 LITER
 DIMENSIONS (LxWxD): 11" x 6" x 4"
 WEIGHT: 15.4 LBS
 SEALING: IP67
 ANT A & B PORT CONNECTOR: 7-16 DIN FEMALE
 RBS A & B PORT CONNECTOR: 7-16 DIN FEMALE
 RELIABILITY YEARS: >80



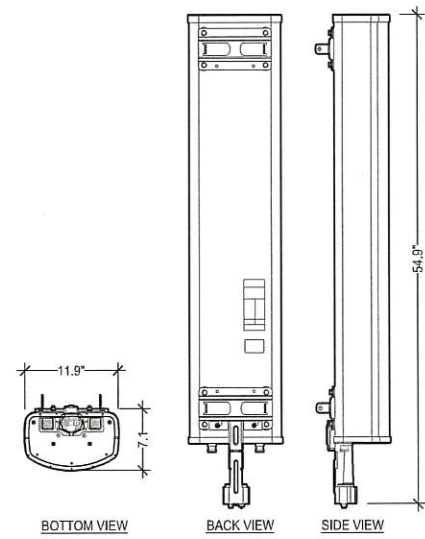
MANUFACTURER: VALMONT
 WMA238; WMA300
 ANGLE WALL MOUNT KIT
 STAND OFF: 3"
 ANGLE SIZE: 3"x3"x15"
 MOUNTING HOLES: 1 1/16" ON 12" CENTERS
 MOUNTING PIPE: 2-3/8"-2-7/8" ØD, ORDER SEPARATELY



MANUFACTURER: COMMSCOPE
 MODEL: LNX-6513DS-A1M
 FREQUENCY RANGE: 698-806 MHZ
 IMPEDANCE: 50 OHMS
 GAIN, dBi: 14.8-15.1
 POLARIZATION: ±45°
 INPUT POWER PER PORT: 400 WATTS
 VSWR dB: 1.4 | 15.6
 ISOLATION dB: 30
 LIGHTNING PROTECTION: DC GROUND

ELECTRICAL
 GAIN AVERAGE dBi: 14.6-14.9
 GAIN TOLERANCE dBi: ±0.5-±0.2
 BWWIDTH HORIZONTAL: ±0.9-±1
 BWWIDTH VERTICAL: ±1-±0.8

MECHANICAL
 NET WEIGHT: 26.0 LBS
 DIMENSION (LxWxD): 54.9"x11.9"x7.1"
 MAX. WIND LOAD: 98.5 LBF
 MAX. WIND SPEED: 150 MPH
 HARDWARE MATERIAL: HOT DIP GALVANIZED
 CONNECTOR TYPE: 7 - 16 DIN, FEMALE (2)
 LIGHT GRAY
 STANDARD MOUNTING: DB380



TWIN TMA

1-1/2"=1'-0" (22x34)
 3/4"=1'-0" (11x17) 8

ANGLE WALL MOUNT

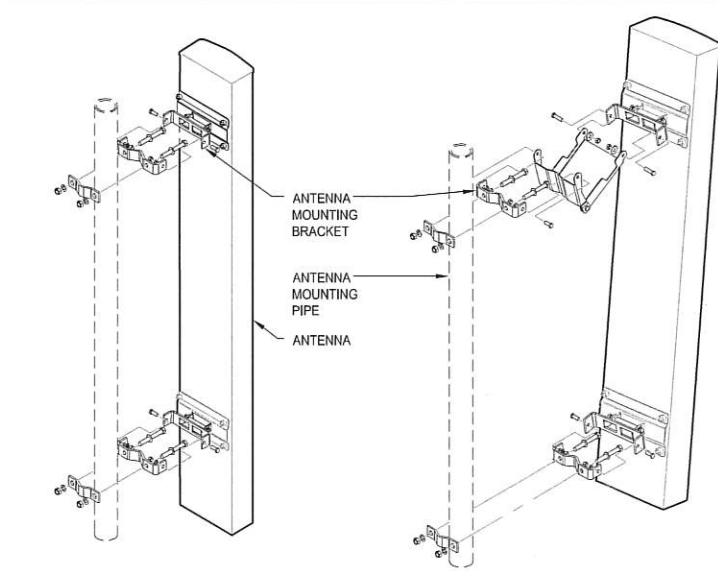
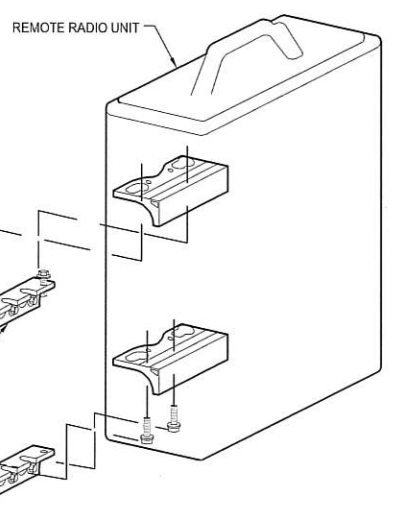
1"=1'-0" (22x34)
 1/2"=1'-0" (11x17) 5

LNX-6513DS-A1M ANTENNA

1"=1'-0" (22x34)
 1/2"=1'-0" (11x17) 2

MANUFACTURER: ERICSSON
 MODEL: SXX 125 0247/1
 SINGLE RRU WALL SUPPORT KIT

MECHANICAL
 CLAMP PROFILES: ALUMINUM, NATURE ANODIZED
 SUPPORT ARMS: ALUMINUM, NATURE ANODIZED
 FASTENERS: ACID PROOF STAINLESS STEEL
 MOUNTING PIPE: 1"-2-3/8", ORDER SEPARATELY



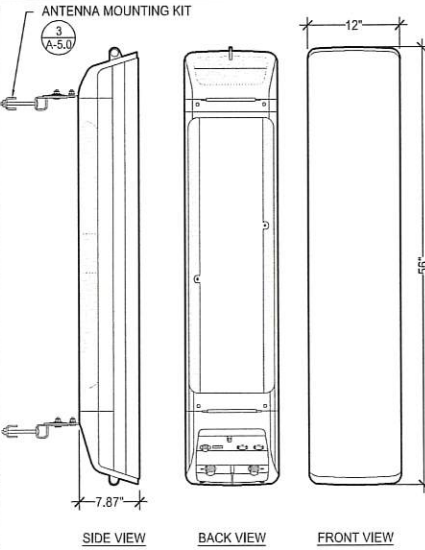
MANUFACTURER: ERICSSON
 MODEL: AIR 21, 1.3 M, B2A B4P
 ACTIVE FREQUENCY BAND: BAND 2 (1850-1910/ 1930-1990MHz)
 PASSIVE FREQUENCY BAND: BAND 4 (1710-1755/ 2110-2155MHz)
 ACTIVE BAND: 2 X 65.5 dBm
 UPLINK SENSITIVITY: TBD
 REMOTE ELECTRICAL TILT: -2° TO -12°
 MIMO: 2 X 2 FOR DL
 INST. BANDWIDTH: 20 MHz
 CAPACITY: UP TO 8 CARRIERS GSM
 UP TO 4 CARRIERS WCDMA W/2X DL
 UP TO 20MHz LTE W/2X DL MIMO
 SINGLE STANDARD OR 2 SIMULTANEOUS STANDARDS

MULTI-RAT CAPABILITY:
 NOMINAL BEAM-WIDTH AZ: 65°
 NOMINAL BEAM-WIDTH ELEV: 7°

MECHANICAL
 WEIGHT: 82.67 LBS
 SIZE (HxWxD): 56"x12"x7.87"
 WIND LOAD: 130,389 LBF / 67,4427 LBF / 161,862 LBF (FRONT/LATERAL/REAR SIDE) @ 94MPH DATA 1, DATA 2: CPRI LINKS (SFP MODULES WITH LC SOCKET)

AIR-DU:
 POWER: -48V DC (TYCO/ERICSSON PRT 447 04)
 PASSIVE ANTENNA: TX/RX 1, TX/RX 2: RF CONNECTORS (7-16 FEMALES)
 RX1, RX2: RF CONNECTORS (N FEMALE)

LMU RX SHARING:
 RBS 6601: ONE OR TWO UNITS DEPENDING ON CONFIGURATION



WALL MOUNTED RADIO

1-1/2"=1'-0" (22x34)
 3/4"=1'-0" (11x17) 7

DB380 - ANTENNA MOUNTING BRACKET

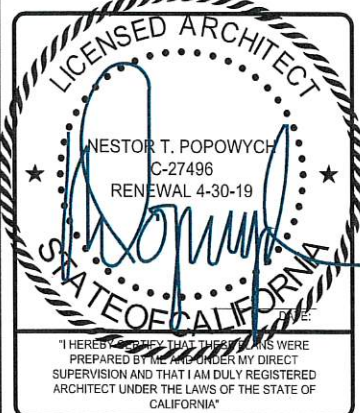
1"=1'-0" (22x34)
 1/2"=1'-0" (11x17) 4

AIR21 KRC118023-1_B2A_B4P ANTENNA

1"=1'-0" (22x34)
 1/2"=1'-0" (11x17) 1



| REVISIONS | | | |
|-----------|----------|---------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 11/05/18 | 90% CD's | JP |
| 1 | 11/26/18 | 100% CD's | EC |
| 2 | 10/21/19 | CITY COMMENTS | YK |



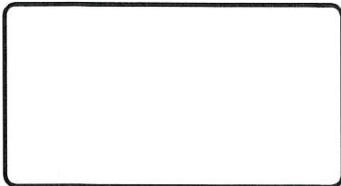
CUP
 TIERRASANTA ADVENTIST
 SD06798A
 11260 CLAIREMONT MESA BOULEVARD
 SAN DIEGO, CA 92124

SHEET TITLE
 EQUIPMENT DETAILS & SPECIFICATIONS

SHEET NUMBER
 A-5.0

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NOT USED

9 NOT USED

6 NOT USED

3

NOT USED

NOT USED

MANUFACTURER: ERICSSON
 MODEL: XMU 03
 WEIGHT: 5 LBS.
 HEAT DISSIPATION: 50 W (TYP.)
 80W (MAX.)
 OPERATING TEMPERATURE RANGE: 5-50°C

- MOUNTING IN STANDARD DU SLOTS, DU ADAPTERS AND RADIO SHELF.
- MOUNTING IN 19" RACK OR IN TRANSMISSION COMPARTMENT BELOW AIR RESTRICTOR PLATE BY USE OF SUP 6601 V2.

| REVISIONS | | | |
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NOT USED

8 NOT USED

MANUFACTURER: ERICSSON
 MODEL: RBS 6601
 DIMENSIONS: 66MMx482MMx350MM (2.6INx18.98INx13.78IN)
 WEIGHT: 23.15LBS

- POWER DISTRIBUTION OF -48 VDC TI DIGITAL UNITS
- CLIMATE SYSTEM INCLUDING BUILT-IN FANS AND CONTROL PARTS

5 XMU 03

N.T.S.

2



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SHEET NUMBER
 A-6.0

NOT USED

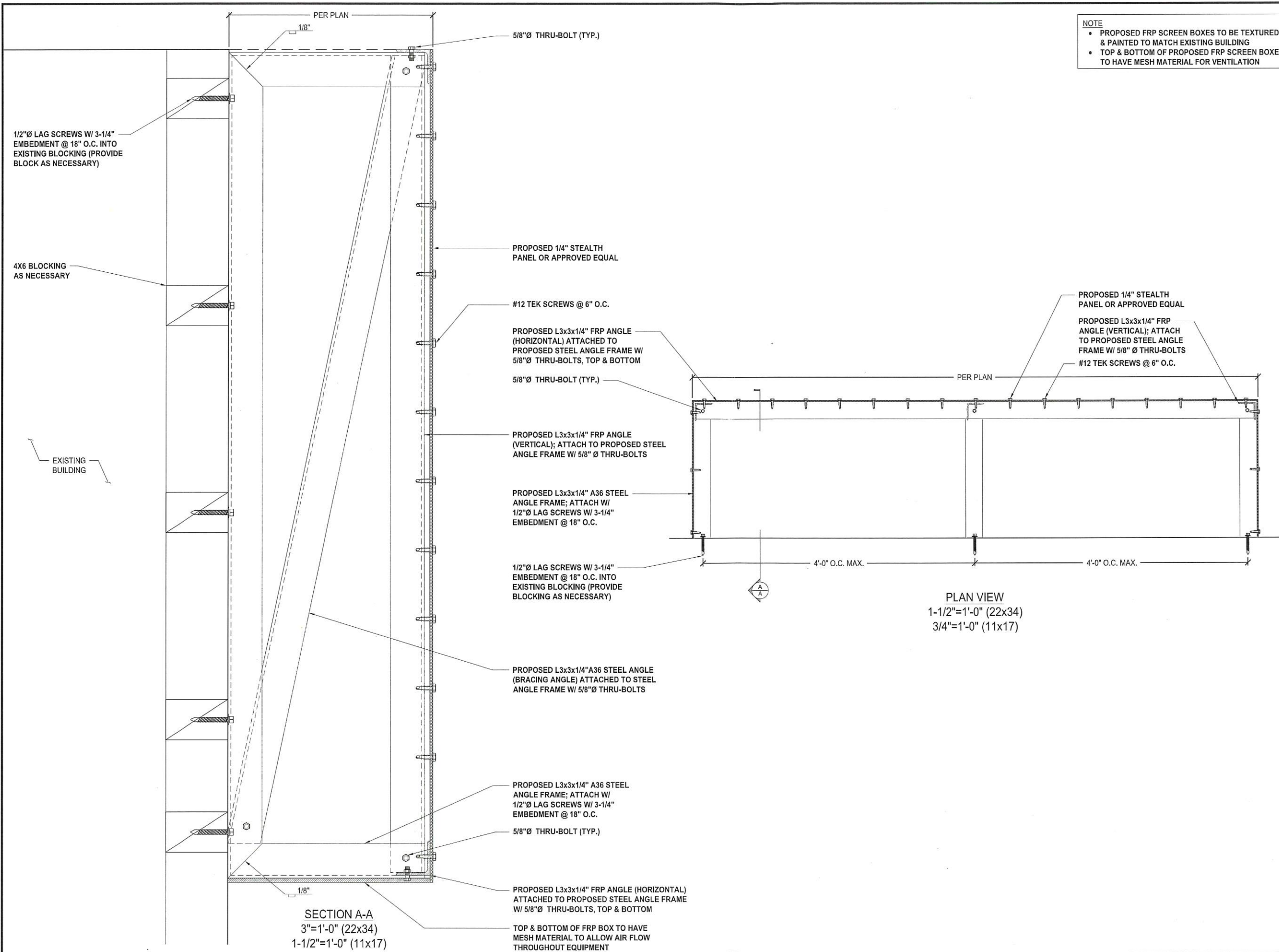
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4 RBS 6601

N.T.S.

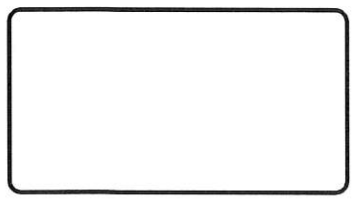
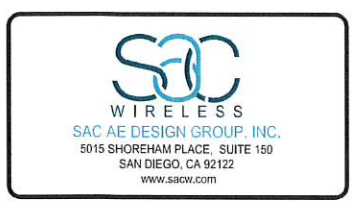
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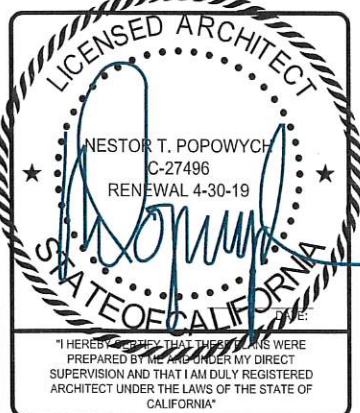


NOTE

- PROPOSED FRP SCREEN BOXES TO BE TEXTURED & PAINTED TO MATCH EXISTING BUILDING
- TOP & BOTTOM OF PROPOSED FRP SCREEN BOXES TO HAVE MESH MATERIAL FOR VENTILATION



| REVISIONS | | | |
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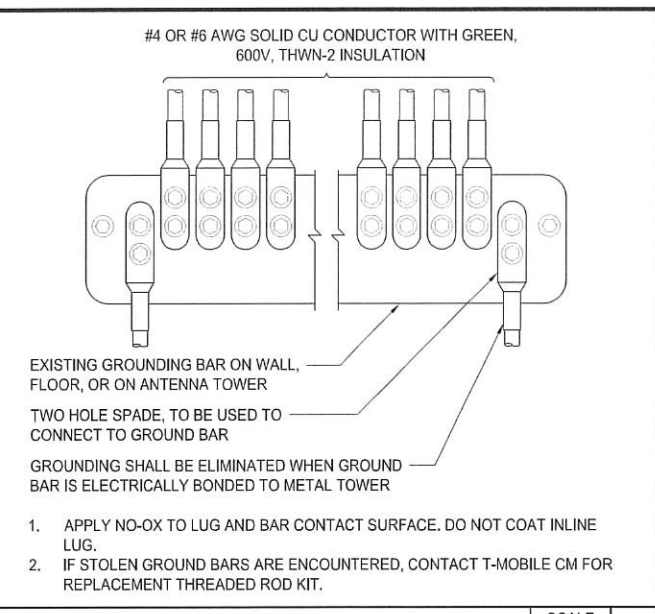


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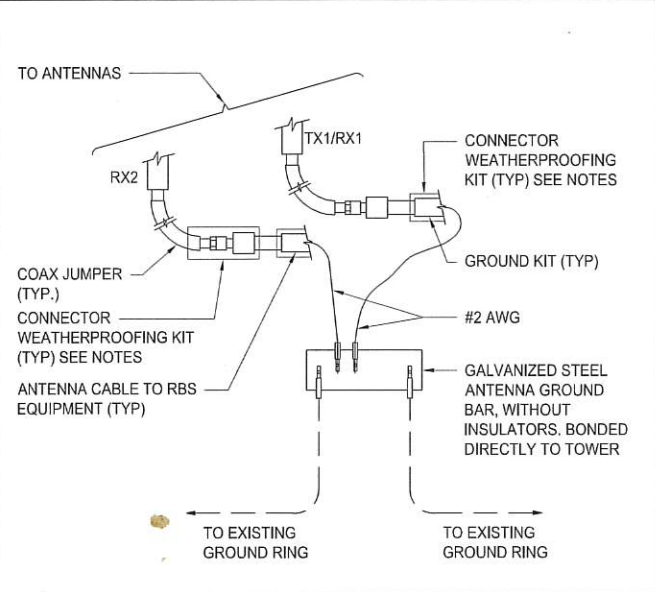
SHEET TITLE
STRUCTURAL DETAILS

SHEET NUMBER
S-1.0

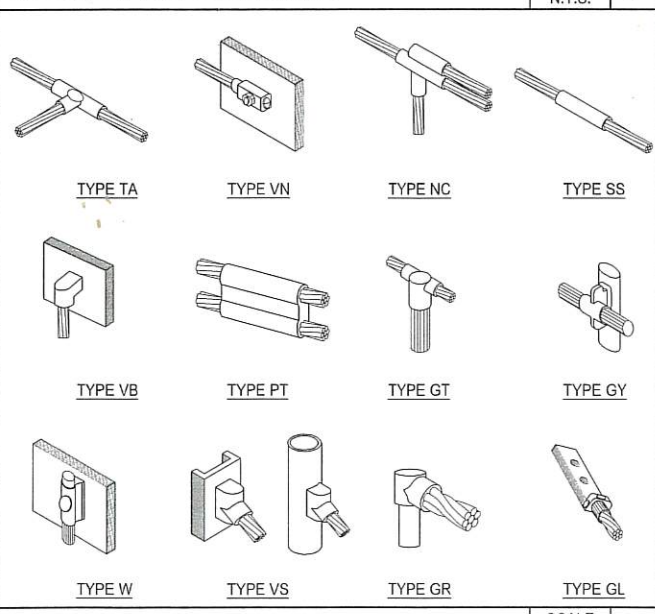
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WIRE INSTALLATION SCALE N.T.S. 7



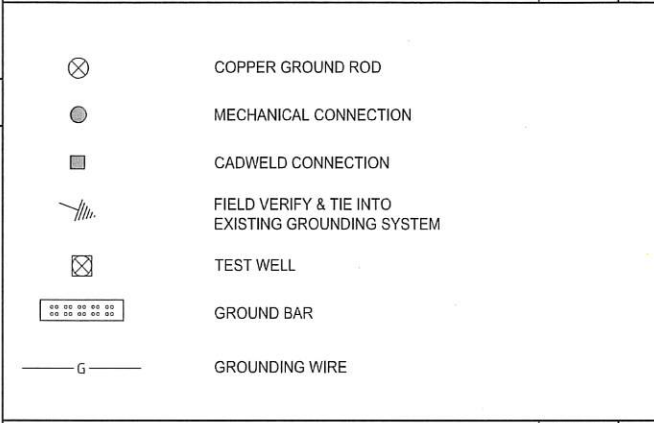
GROUND CABLE CONNECTION SCALE N.T.S. 6



EXOTHERMIC WELD CONNECTIONS SCALE N.T.S. 5

- 1. PROPOSED ANTENNA GROUND BUS BAR NEAR ANTENNA MOUNTS WITH COAX GROUND KIT. SEE DETAIL 6/G-1.
- 2. PROPOSED #6 AWG GROUND FROM ANTENNA GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 7/G-1.
- 3. PROPOSED #6 AWG GROUND FROM EQUIPMENT MOUNT TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
- 4. PROPOSED #6 AWG GROUND FROM ANTENNAS TO ANTENNA GROUND BUS BAR. SEE DETAIL 6/G-1.
- 5. PROPOSED #6 AWG GROUND FROM RADIOS/TMAS TO ANTENNA GROUND BUS BAR. SEE DETAIL 6/G-1.
- 6. N/A: EXISTING EQUIPMENT GROUND BUS BAR NEAR EQUIPMENT WITH COAX GROUND KIT. SEE DETAIL 7/G-1.
- 7. N/A: #6 AWG GROUND BATTERY CABINET TO EQUIPMENT GROUND BUS BAR. SEE DETAIL 7/G-1.
- 8. N/A: EXISTING #6 AWG GROUND FROM EXISTING EQUIPMENT GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 7/G-1.

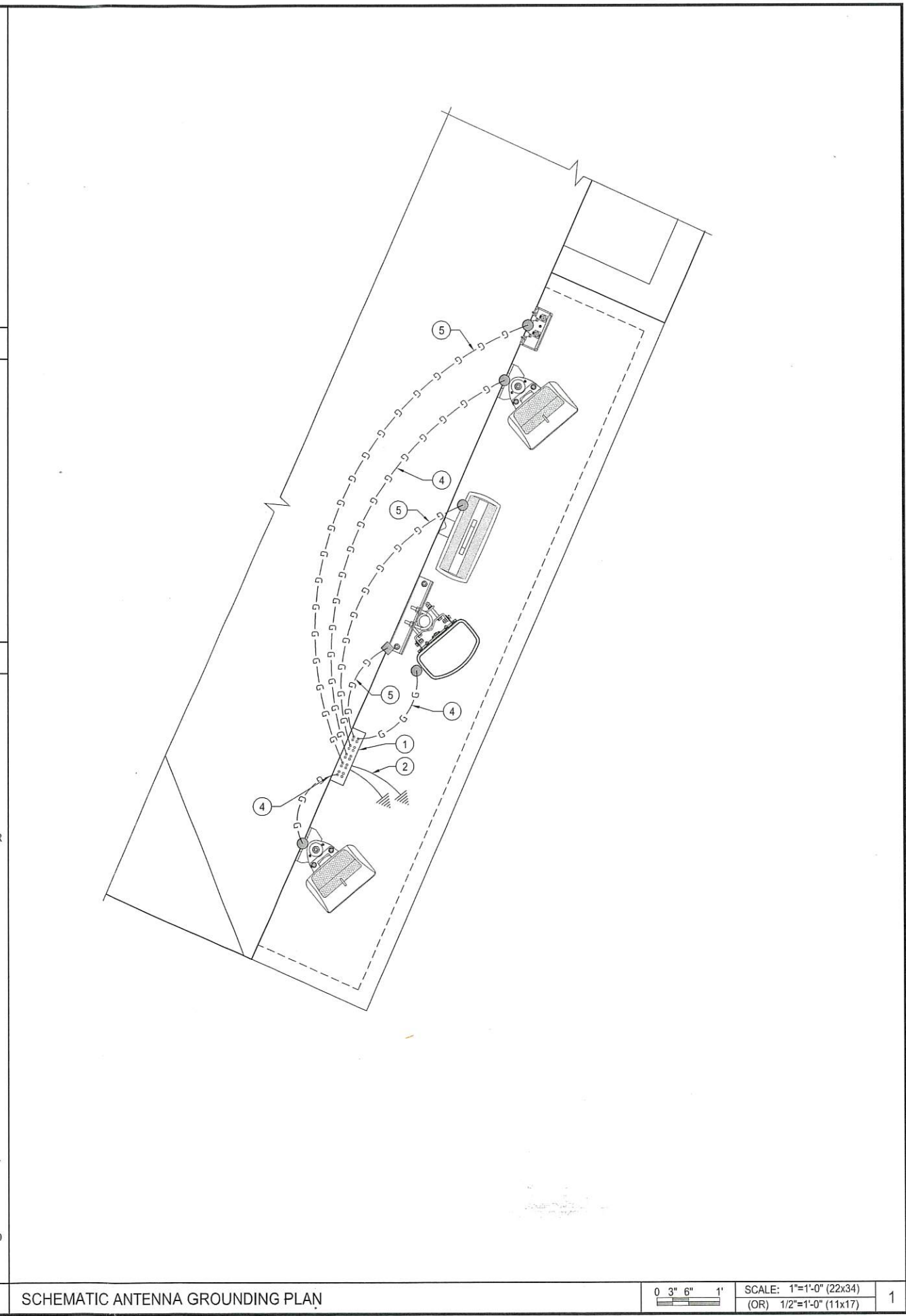
GROUNDING KEY SCALE N.T.S. 4



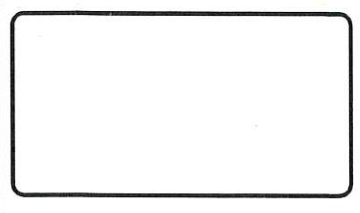
GROUNDING LEGEND SCALE N.T.S. 3

- 1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
- 2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS, FOLLOW ANTENNA AND BTS MANUFACTURES PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELDS AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
- 3. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
- 4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY A T-MOBILE REPRESENTATIVE.
- 5. REFER TO DIVISION 16 GENERAL ELECTRIC; GENERAL ELECTRICAL PROVISION AND COMPLY WITH ALL REQUIREMENTS OF GROUNDING STANDARDS.
- 6. CONTRACTOR TO ABIDE BY ALL T-MOBILE SAFETY STANDARDS DURING SITE CONSTRUCTION.
- 7. CONTRACTOR SHALL REFER TO T-MOBILE STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.
- 8. ELECTRICAL CONTRACTOR TO PROVIDE DETAILED DESIGN OF GROUNDING SYSTEM, AND RECEIVE APPROVAL OF DESIGN BY AUTHORIZED T-MOBILE REPRESENTATIVE, PRIOR TO INSTALLATION OF GROUNDING SYSTEM. PHOTO DOCUMENT ALL CADWELDS AND GROUND RING.
- 9. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
- 10. GROUNDING ROD NOTES (WHERE APPLICABLE)
- 11. ELECTRICAL CONTRACTOR SHALL ORDER GROUND RESISTANCE TESTING ONCE THE GROUND SYSTEM HAS BEEN INSTALLED; A QUALIFIED INDIVIDUAL, UTILIZING THE FALL OF POTENTIAL METHOD, SHOULD PERFORM THE TEST. THE REPORT WILL SHOW THE LOCATION OF THE TEST AND CONTAIN NO LESS THAN 9 TEST POINTS ALONG THE TESTING LINE, GRAPHED OUT TO SHOW THE PLATEAU.
- 12. POINT GROUND TEST OR 3 POINT 62% TESTS WILL NOT BE ACCEPTED AS ALTERNATIVES TO THE AFORE MENTIONED GROUND TESTS. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED FROM THE A/C SYSTEM GRIDS AND EXISTING COMMUNICATIONS FACILITY.

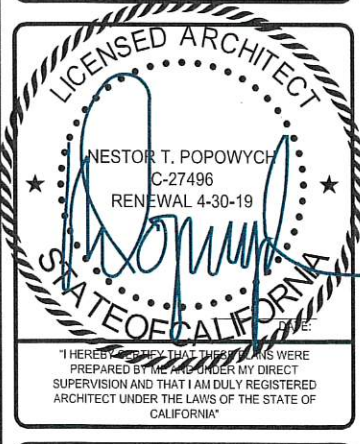
GENERAL GROUNDING NOTES SCALE N.T.S. 2



SCHEMATIC ANTENNA GROUNDING PLAN SCALE: 1"=1'-0" (22x34) (OR) 1/2"=1'-0" (11x17) 1



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SHEET TITLE
SCHEMATIC GROUNDING PLANS, NOTES & DETAILS

SHEET NUMBER
G-1.0