

City Consent Application

18-Nov-16

(Date)

Ms. Enza Charles
Real Estate Assets Department
The City of San Diego
1200 Third Avenue, Suite 1700
San Diego, California 92101

RE: Site Address: 11498 Camino Ruiz, San Diego, California 92126,
San Diego (the "Property")
Site Name: Camino Ruiz

Agreement: Lease Agreement, dated April 6, 2011 (the "Lease") between The City of
San Diego ("City") and Verizon Wireless (VAW) LLC, ("Lessee").

Dear Ms. Charles,

As part of the continuous effort to keep its network up to date, Verizon Wireless
would like to perform the following modifications (changes) as described in the **attached plans**, to the site referenced above:

Example:

Antennas: Sector "A": Relocate four (4) six foot antennas from the water tank to the screened enclosure located on top of the equipment shelter; Sector "B": Replace the four (4) existing four foot antennas located on the water tank with six foot antennas. In order to accommodate the larger antennas, the screen boxes will be increased from six feet in length to eight feet.

Equipment: Remove existing Propane Generator. Install one 30KW Diesel Generator in a 12' x 11'4" area. Said area to be enclosed with a ten (10) foot tall CMU block wall..... Said Units to be screened by a four (4) foot tall CMU block wall.

Generator Addition: Install new 15kW backup diesel generator, with accompanying 54 gallon fuel tank. These improvements will be installed within Verizon's existing equipment enclosure. There will be no visible changes to the facility.



Real Estate
Assets

Pursuant to Improvements and Alterations, of the Lease Agreement, "Lessee shall not construct any improvements, structures, or installations on the Premises, or make any alterations to the Premises (with the exception of equipment replacements or repairs) without City's prior written approval." In order to comply with such requirement,

Verizon Wireless would like to request City's consent and approval to complete the items described above.

Sincerely, Rodney Philhower, agent for Verizon Wireless

Applicant's Signature: Rodney Philhower

City Park & Rec. department has provided it's consent and approval to allow Verizon to perform the proposed modifications described herein.

See ATTACHED EMAIL

Date Signature

**CITY OF SAN DIEGO, ACKNOWLEDGEMENT AND CONSENT
FOR MODIFICATION OF**

11498 Camino Ruiz, San Diego
(Site Location)

By: [Signature]

Name: Cybele L. Thompson,

Title: Director of Real Estate Assets

Date: 11/28/16



Charles, Enza

From: Cleveland, Travis
Sent: Tuesday, November 22, 2016 8:09 AM
To: Charles, Enza; Lynch, Karen; Tse, Simon
Cc: Solis, Tracy; Rodney Philhower
Subject: RE: Camino Ruiz - Verizon

Hi Everyone,

This is Simon's project so I'll let him give you the latest. From what I can tell in the tracking system, P&R is okay with the generator but hasn't signed off yet because they want some notes added to the plans.

Respectfully,

Travis Cleveland

Development Project Manager
City of San Diego
Development Services Department
T (619) 446-5407 | <http://www.sandiego.gov>

CONFIDENTIAL COMMUNICATION

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Correspondence to and from this address may be monitored by third parties.

From: Charles, Enza
Sent: Monday, November 21, 2016 4:37 PM
To: Cleveland, Travis; Lynch, Karen; Tse, Simon
Cc: Solis, Tracy; Rodney Philhower
Subject: RE: Camino Ruiz - Verizon

Hi all, can you also tell me if P&R has signed off on the plans for this addition of the generator ?

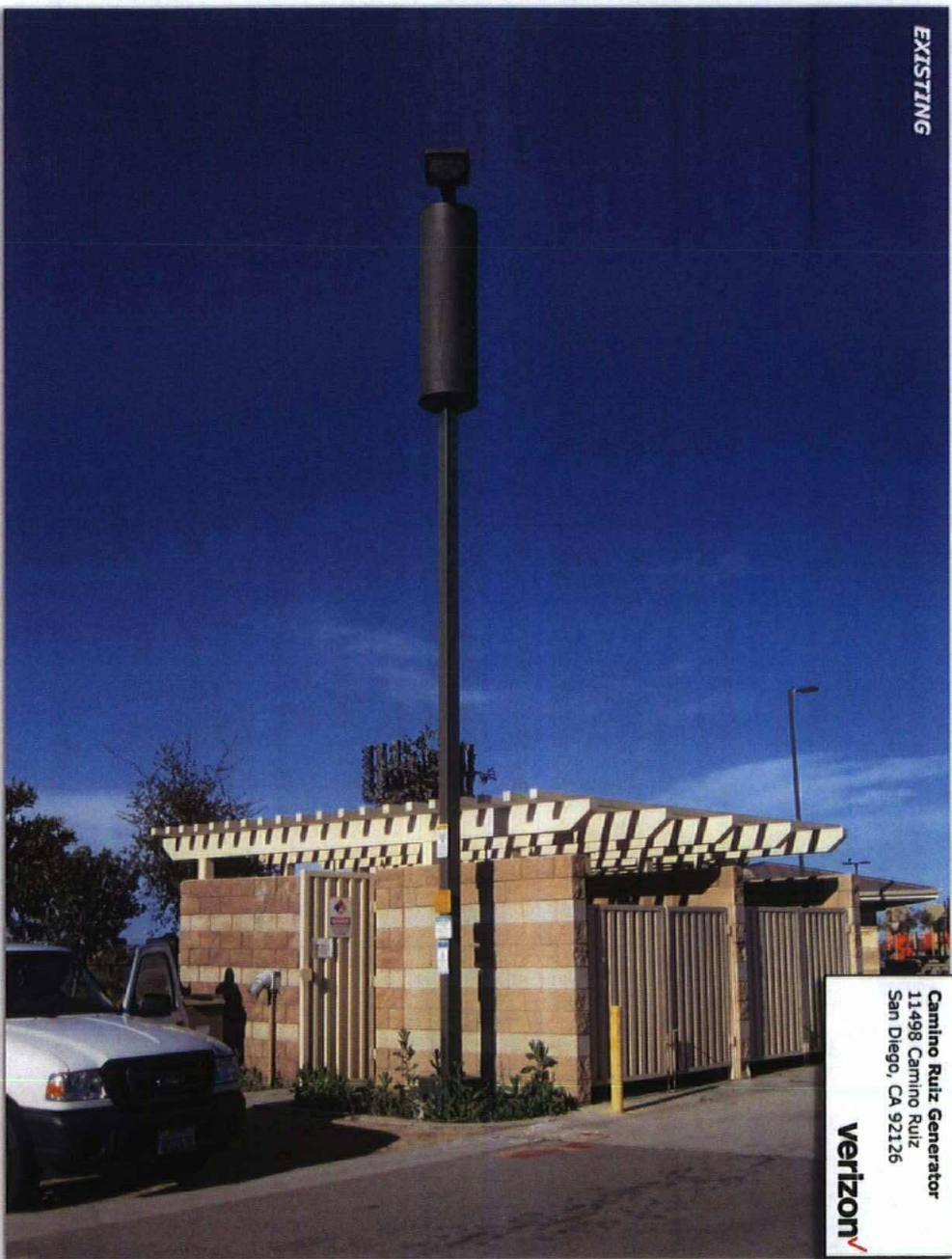
Thanks,

Enza Charles

Supervising Property Agent
City of San Diego
Real Estate Assets – Telecommunication Division
1200 Third Avenue
Suite 1700
San Diego, CA 92101

T (619) 236-6052
F (619) 236-6706

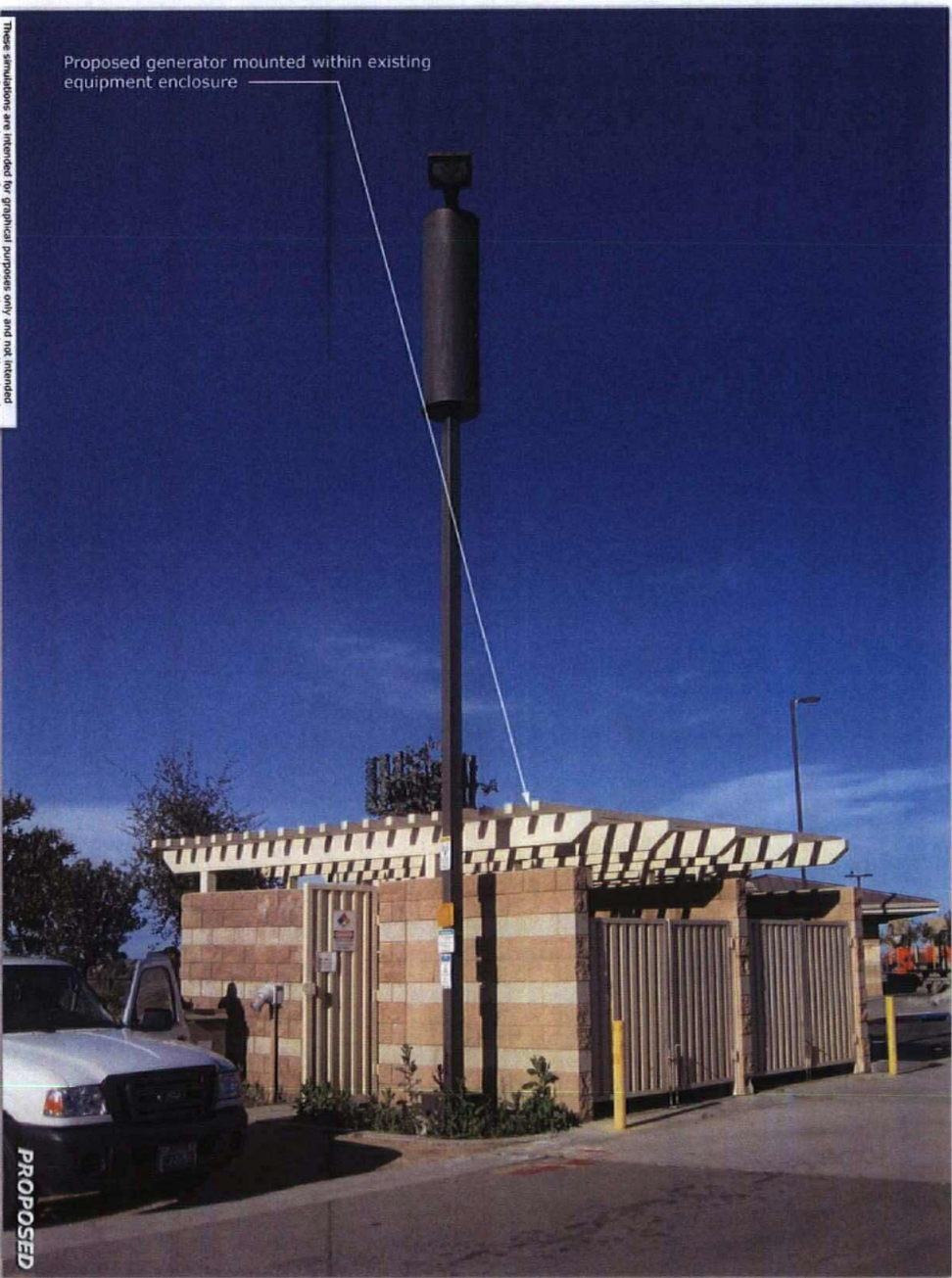
EXISTING



Camino Ruiz Generator
11498 Camino Ruiz
San Diego, CA 92126



Proposed generator mounted within existing
equipment enclosure



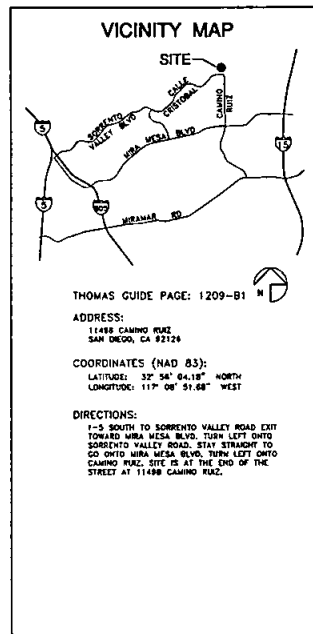
PROPOSED

Photomontage of proposed telecommunications site

These simulations are intended for graphical purposes only and are intended
to be part of or to replace the information provided on the construction drawings
9/7/2016



**CAMINO RUIZ
GENERATOR
11498 CAMINO RUIZ
SAN DIEGO, CA 92126**



CONSULTANT TEAM

ARCHITECT:
WILLIAM BOOTH & ROBERT SUAREZ
ARCHITECTURE & PLANNING
P.O. BOX 4451
CARLSBAD, CA 92018
(760) 434-8874
(760) 434-8386 (FAX)

LEASING:
PLANCOM, INC.
302 STATE PLACE
ESCONDIDO, CA 92029
JILL CLEVELAND
(760) 420-4833

PLANNING:
PLANCOM, INC.
302 STATE PLACE
ESCONDIDO, CA 92029
SHELLY KILBOURN
(619) 208-4653

ACCESSIBILITY DISCLAIMER

THIS PROJECT IS AN UNOCCUPIED WIRELESS PCS TELECOMMUNICATIONS FACILITY AND, ACCORDING TO WRITTEN INTERPRETATION FROM THE CALIFORNIA DEPARTMENT OF THE STATE ARCHITECT, IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.

REQUIRED SPECIAL INSPECTIONS

(SEE SHEET A-0.1)

PROJECT SUMMARY

APPLICANT: VERIZON WIRELESS
15505 SAND CANYON AVENUE
IRVINE, CA 92718

OWNER: CITY OF SAN DIEGO
1200 THIRD AVENUE, SUITE 1700
SAN DIEGO, CA 92101

JURISDICTION: CITY OF SAN DIEGO

PROJECT DESCRIPTION:
EXISTING VERIZON WIRELESS TELECOMMUNICATIONS EQUIPMENT ENCLOSURE AND (2) EXISTING 30'-0" HIGH LIGHT STANDARDS WITH ANTENNA CONCEALMENT ROADWAYS, EACH WITH THREE (3) ANTENNA SECTIONS OF ONE (1) ANTENNA EACH (TOTAL OF 6 ANTENNAS).

THE FOLLOWING MODIFICATIONS ARE PROPOSED:

- INSTALLATION OF VERIZON 15kW GENERATOR WITH A 54 GALLON DIESEL FUEL TANK MOUNTED TO A CONCRETE PAD INSIDE CONCRETE BLOCK ENCLOSURE
- CONCRETE PAD EXTENSION FOR GENERATOR ANCHORAGE

LEGAL DESCRIPTION:
THAT PORTION OF RANCHO LOS PEÑASQUITOS, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA ACCORDING TO THE MAP THEREOF ACCOMPANYING THE PATENT TO SAID RANCHO, RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, IN BOOK 2, PAGE 385 OF PATENTS.

PROJECT ADDRESS: 11498 CAMINO RUIZ
SAN DIEGO, CA 92126

ASSESSORS PARCEL NUMBER: 509-040-91 & 509-020-21

EXISTING ZONING: AP-1-1

TOTAL SITE AREA: 9.90 ACRES
431,244 SF

EXISTING PROJECT AREA: 248 SQ. FT.

EXISTING TYPE OF CONSTRUCTION: TYPE V, NON-RATED

EXISTING OCCUPANCY: NONE (OUTDOOR RADIO EQUIPMENT CABINET ONLY)

ORIGINAL LAND USE # 454526

APPROVAL NUMBER: PROJECT NUMBER: 149936

NOTE: THERE ARE CURRENTLY TWO EXISTING TELECOMMUNICATIONS FACILITIES ON THE SITE (VERIZON WIRELESS & AT&T MOBILITY)

SHEET SCHEDULE

T-1	TITLE SHEET AND PROJECT DATA
A-0	SITE PLAN
A-0.1	GENERAL NOTES & SPECIFICATIONS
A-0.2	SPECIFICATIONS
A-1	ENLARGED SITE PLAN
A-2	EQUIPMENT ENCLOSURE & LIGHT STANDARD PLANS
A-3	EXTERIOR ELEVATIONS
D-1	DETAILS
E-1	ELECTRICAL AND GROUNDING PLANS

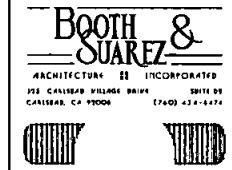
SCALE

THE DRAWING SCALES SHOWN IN THIS SET REPRESENT THE CORRECT SCALE ONLY WHEN THESE DRAWINGS ARE PRINTED IN A 24" x 36" FORMAT. IF THIS DRAWING SET IS NOT 24" x 36" THIS SET IS NOT TO SCALE. ALL DIMENSIONS ARE SCHEMATIC. DO NOT SCALE DRAWINGS TO DETERMINE OR VERIFY ANY DIMENSIONS. DRAWINGS OF ANY SIZE SHALL NEVER BE SCALED FOR ANYTHING OTHER THAN GENERAL REFERENCE.

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:
CALIFORNIA BUILDING CODE, TITLE 24, 2013 EDITION
CALIFORNIA PLUMBING CODE, 2013 EDITION
CALIFORNIA MECHANICAL CODE, 2013 EDITION
CALIFORNIA ELECTRICAL CODE, 2013 EDITION
CALIFORNIA FIRE CODE, 2013 EDITION
CALIFORNIA ENERGY CODE, 2013 EDITION

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.



PREPARED FOR

verizon

P.O. BOX 19707
IRVINE, CA 92623-9707
(949) 222-7000

APPROVALS

ARC	DATE
RE	DATE
RF	DATE
WT	DATE
CE/M	DATE
OPS	DATE
CE/OUT	DATE

PROJECT NAME

**CAMINO RUIZ
GENERATOR**

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
SAN DIEGO COUNTY

DRAWING DATES

06/21/16	90% CD (w)
06/11/16	100% CD (w)

SHEET TITLE

**TITLE SHEET
&
PROJECT DATA**

PROJECT: verizon\18019cd

T-1

GENERAL SPECIFICATIONS

1. THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" ARE INCLUDED IN THESE SPECIFICATIONS AS IF COMPLETELY REPRODUCED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SUCH DOCUMENTS.
2. THIS FACILITY IS AN UNCLASSIFIED PICS TELECOMMUNICATIONS SITE AND IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS PARTICIPATING SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL FIELD CONDITIONS AFFECTING THE PROPOSED PROJECT INCLUDING DRAINAGE, ELECTRICAL, MECHANICAL, AND STRUCTURAL INSTALLATIONS, AS WELL AS WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS AND SHALL CONFIRM WITH THE ARCHITECT AND THE PROJECT MANAGER PRIOR TO PROCEEDING WITH CONSTRUCTION. SHOULD ANY ERRORS, OMISSIONS, OR DISCREPANCIES BE FOUND, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY VERIZON CONSTRUCTION MANAGER AND THE ARCHITECT IN WRITING. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL ADVISE THE MORE COSTLY OR EXTENSIVE WORK IN THE BID, UNLESS SPECIFICALLY DIRECTED OTHERWISE. IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND ARCHITECT ARE NOT NOTIFIED, THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS INCURRED TO REPAIR OR CORRECT ALL PROBLEMS THAT RESULT.
4. THE CONTRACTOR SHALL INCLUDE IN HIS OR HER BID ALL MATERIALS, EQUIPMENT, SUPPLIES, AND LABOR REQUIRED TO COMPLETE THE WORK AS INDICATED OR IMPLIED BY THESE DRAWINGS.
5. DRAWINGS SHALL NOT BE SCALED. THESE DRAWINGS ARE INTENDED TO BE BACKGROUND INFORMATION AND NOT TO BE USED FOR ANYTHING OTHER THAN DRAWING SCALE AND DETAIL. DRAWINGS HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
6. CONTRACTOR SHALL CHECK THE ACCURACY OF ALL DIMENSIONS IN THE FIELD, UNLESS SPECIFICALLY DIRECTED BY THE VERIZON CONSTRUCTION MANAGER. DO NOT FABRICATE ANY MATERIALS OR BEGIN ANY CONSTRUCTION UNTIL DRAWING DIMENSIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS.
7. THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT (PLANS, DETAILS, CALCULATIONS, NOTES) HAVE BEEN DEVELOPED USING METRIC MEASUREMENTS AVAILABLE AT THE LOCAL JURISDICTION. EXISTING CONSTRUCTION DRAWINGS PROVIDED BY VERIZON AND/OR THE PROPERTY OWNERS, AND THROUGH THE ARCHITECT'S ASSESSMENT OF ACCESSIBLE AND VISIBLE BUILDING COMPONENTS, IN MOST CASES, NO INVESTIGATION THAT REQUIRED DESTRUCTIVE WORK TO VERIFY AS-BUILT CONDITIONS WAS REQUIRED. THE ACCURACY OF THE DRAWINGS AND/OR MODIFICATIONS MAY BE REQUIRED TO SUBMIT TO ANY DETAIL. DETAILS ARE INTENDED TO BE THE FINAL RECORD OF THE DESIGN. ANY MODIFICATIONS MAY BE REQUIRED TO OBTAIN JOB CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK.
8. EXISTING ELEVATIONS AND LOCATIONS TO BE JOINED SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. IF THEY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE VERIZON CONSTRUCTION MANAGER AND THE ARCHITECT SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.
9. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS & BENCHMARKS.
10. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, INCLUDING ON-SITE LATERALS OR TO CONTACT AN OUTSIDE AGENCY TO LOCATE ALL EXISTING UTILITIES. WHETHER SHOWN OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONNECTION WITH THE EXECUTION OF WORK.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE PROJECT SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED AND ACCEPTED BY VERIZON.
12. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER, POWER AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER, VERIZON, AND THE CITY OR GOVERNING AGENCY.
13. THE LATEST EDITION OF ALL PERMITTED AND APPROVED PLANS AND ALL APPLICABLE CHANGE ORDERS AND FIELD SKETCHES PERTAINING TO THIS PROJECT SHALL BE KEPT ON-SITE AND AVAILABLE TO ALL PERSONS EMPLOYED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRODUCTION OF A COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDITIONS, FIELD SKETCHES AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES. THESE ARE TO BE UNDER THE CARE OF THE JOB SUPERINTENDENT.
14. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REDUCING THE CONSTRUCTION DOCUMENTS TO ILLUSTRATE THE AS-BUILT CONDITION OF THE COMPLETED PROJECT. THIS SHALL BE DONE AFTER THE SITE HAS BEEN THOROUGHLY INSPECTED BY THE RESPONSIBLE BUILDING AGENCY AND APPROVED BY VERIZON. ONE SET OF REDUCED DRAWINGS SHALL BE PROVIDED TO THE VERIZON CONSTRUCTION MANAGER.
15. THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS ON A DAILY BASIS, EXCEPT FOR THAT SPECIFIED AS REMAINING. THE PROPERTY OF THIS BUILDING OR PROPERTY OWNER, SHALL EXERCISE STRICT CONTROL OVER ANY CLEANING THROUGHOUT CONSTRUCTION, INCLUDING FINAL CLEAN-UP AND COMPLETION OF WORK. ALL AREAS TO BE KEPT IN A CLEAN CONDITION AT THE END OF EACH DAY AND VACUUM CLEAN CONDITION, FROM PAINT SPILLS, DUST OR SHALLOW WATER, ANY NATURE, DURING THE WORK.
16. THE GENERAL CONTRACTOR MUST PROTECT WORK DURING PROPERTY OWNER'S INSPECTIONS TO VERIFY THE WORK IS IN ACCORD WITH THE SPECIFICATIONS.
17. ALL EXPOSED METAL SHALL BE HOT-DIPPED GALVANIZED.
18. SEAL ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES WITH U.L. LISTED OR FIRE RATED, APPROVED MATERIALS OF THE APPROPRIATE RATING FOR THE ASSEMBLY WHERE PENETRATIONS OCCUR.
19. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A-10 OR 2-1-10 WITH 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA CONSTRUCTION.
20. ELECTRICAL POWER SYSTEM SHALL BE GROUNDED PER NEC ARTICLES 250 AND 810.21.
21. ALL NEW OPENINGS IN THE EXTERIOR ENVELOPE OF CONDITIONED SPACES SUCH AS WALL AND ROOF PENETRATIONS SHALL BE CAULKED OR SEALED TO PREVENT PENETRATION OF AIR AND MOISTURE.
22. UPON COMPLETION OF CONSTRUCTION, VERIZON CONSTRUCTION MANAGER SHALL CONDUCT A WALK-THRU WITH PROPERTY OWNER OR REPRESENTATIVE OF PROPERTY OWNER.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SYSTEM EQUIPMENT IN A CLEAN WORKING ORDER UNTIL ACCEPTANCE OF THE PROJECT BY VERIZON.
24. SEE C7C SECTION 14 FOR FIRE SAFETY DURING CONSTRUCTION.

CONNECTIONS, EQUIPMENT LAYOUTS, SPECIFICATIONS, PERFORMANCE REQUIREMENTS, INSTALLATION REQUIREMENTS AND THE LATEST REVISIONS WITH VERNON CONSTRUCTION MANAGER PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH EQUIPMENT MANUFACTURERS & VENDORS.	PAINTING NOTES & SPECIFICATIONS
11. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS REVISIONS REGARDING THEIR EXACT MEANING, THE VERNON CONSTRUCTION MANAGER AND THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE THE CONTRACTOR BEGINS WORK. 12. THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK, AND MAINTAIN THOSE IN THE POSSESS OF THE WORK TO VERNON. 13. THE CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION WHILE ANY SUBCONTRACTORS OR WORKMEN ARE ON THE SITE AND SHALL BE RESPONSIBLE FOR DIRECTING THE WORK OF ALL WORKMEN AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES AND FOR COORDINATING ALL PORTION OF THE WORK UNDER THE CONTRACT. 14. WORKMANSHIP THROUGHOUT SHALL BE OF THE BEST QUALITY OF THE TRADE OR SHALL BE THE BEST OR NEAREST APPROXIMATION TO MINIMUM REFERENCE STANDARDS FOR QUALITY AND PROFESSIONAL CONSTRUCTION PRACTICES.	GENERAL 1. ALL PAINT PRODUCT LINES SHALL BE SHOWN WELLINGS UNLESS SPECIFICALLY NOTED TO THE CONTRARY. 2. CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS. 3. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SURFACES TO BE PAINTED AND WITH PRECEDENTS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS. 4. FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE SPECIFIED. 5. ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE VERNON CONSTRUCTION MANAGER. 6. PREPARE PREVIOUSLY PAINTED SURFACES BY LIGHT SANDING WITH 320 GRIT SANDPAPER AND HYDROBLASTING WITH WATER OR PREPARE SURFACES BY ACRYLIC ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. 7. FURNISH DROP CLOTHS, SHIELDS, MASKING, AND PROTECTIVE METHODS TO PREVENT SPRAY OR DRIPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES. 8. APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUFFICIENT EMULSION COAT ON FLAT SURFACES. APPLY MATCHING TO ACHIEVE A COATING NO THINNER THAN FORD'S CONCRETE FILLER IS SPECIFIED. 9. APPLY COLOR FILLER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH FORD'S CONCRETE FILLER. 10. CONTRACTOR SHALL CORRECT RUNS, SAGS, MISMS, OVERSPRAY AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE VERNON CONSTRUCTION MANAGER. REPAINT NECESSARY AREAS OF SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.
WPCA NATIONAL ROOFING CONTRACTORS ASSOCIATION OFFICE INTERNATIONAL CENTER 10355 MIDWAY DRIVE, SUITE 800 CHICAGO, ILL. 60618	C. COATING SYSTEM SPECIFICATIONS (continued) 3. GALVANNEAL OR ALTERNATE SPRAY-ON COLD GALVANIZED PAINT PRIMER: PRO-PAINT CONCRETE/STAIN RESISTANT PRIMER OR ALL CUTS, WELDS, SCRATCHES OR OTHER DEFECTS IN GALVANIZED COATINGS SHALL BE REPAIRED WITH FIELD COAT OF GALVANIZED STEEL COMPONENTS D. PAINT & PRIMER ANTENNAS PRIMER: KEM AQUA COAT #1-9525 TOPCOAT: KEM AQUA COAT #1-9525/250/860/22 ETS CABINET PRIMER: KEM AQUA COAT #1-9525 TOPCOAT: KEM AQUA COAT #1-9525/250/860/22
SMACMA STEEL METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION 4301 LAKESIDE CENTER DRIVE CHICAGO, ILL. 60618-1209	CEILING JUMPER CABLES PRIMER: PRO-PAINT CONCRETE/STAIN RESISTANT PRIMER OR ALL CUTS, WELDS, SCRATCHES OR OTHER DEFECTS IN GALVANIZED COATINGS SHALL BE REPAIRED WITH FIELD COAT OF GALVANIZED STEEL COMPONENTS RAM STEEL PRIMER: KEM AQUA COAT #1-9525/250/860/22 TOPCOAT: 2 COATS CONCRETE/ET POLYURETHANE PRIMER/250/860/22
LP INTERNATIONAL INSTITUTE FOR PLASTER AND PLASTER STUCCO ST. PAUL, MN 55114-1406	GALVANIZED METAL PRIMER: PRO-PAINT CONCRETE/STAIN RESISTANT PRIMER OR ALL CUTS, WELDS, SCRATCHES OR OTHER DEFECTS IN GALVANIZED COATINGS SHALL BE REPAIRED WITH FIELD COAT OF GALVANIZED STEEL COMPONENTS STAINLESS STEEL PRIMER: PRO-PAINT CONCRETE/STAIN RESISTANT PRIMER OR ALL CUTS, WELDS, SCRATCHES OR OTHER DEFECTS IN GALVANIZED COATINGS SHALL BE REPAIRED WITH FIELD COAT OF GALVANIZED STEEL COMPONENTS
15. THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BRACING, FRAMING, HANGING OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING THE SAME. 16. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL OWE ALL NOTICES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, FEDERAL, AND NATIONAL BUILDING CODES, REGULATIONS, LAWS AND ORDINANCES AS WELL AS STATE AND FEDERAL REQUIREMENTS FOR SAFETY AND PROTECTION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.	CONCRETE MASONRY (NEW) PRIMER: PRO-PAINT CONCRETE/STAIN RESISTANT PRIMER OR ALL CUTS, WELDS, SCRATCHES OR OTHER DEFECTS IN GALVANIZED COATINGS SHALL BE REPAIRED WITH FIELD COAT OF GALVANIZED STEEL COMPONENTS CONCRETE STUCCO (EXISTING) PRIMER: PRO-PAINT CONCRETE/STAIN RESISTANT PRIMER OR ALL CUTS, WELDS, SCRATCHES OR OTHER DEFECTS IN GALVANIZED COATINGS SHALL BE REPAIRED WITH FIELD COAT OF GALVANIZED STEEL COMPONENTS
17. THE CONTRACTOR SHALL PROTECT THE PROPERTY OWNER'S AND VERNON PROPERTY FROM DAMAGE AND MAY OCCUR DURING CONSTRUCTION INCLUDING BUT NOT LIMITED TO DISPOSITION TO WEATHER CONDITIONS, ANY DAMAGE TO NEW AND EXISTING FINISHES, CONSTRUCTION, STRUCTURE, LANDSCAPE, STAIRS, EQUIPMENT, ETC. SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF VERNON. THE PROPERTY OWNER OR THE OWNER'S REPRESENTATIVE AT THE SOLE EXPENSE OF THE CONTRACTOR.	WOOD PRIMER: PRO-PAINT CONCRETE/STAIN RESISTANT PRIMER OR ALL CUTS, WELDS, SCRATCHES OR OTHER DEFECTS IN GALVANIZED COATINGS SHALL BE REPAIRED WITH FIELD COAT OF GALVANIZED STEEL COMPONENTS GLU-LAM BEAMS PRIMER: PRO-PAINT CONCRETE/STAIN RESISTANT PRIMER OR ALL CUTS, WELDS, SCRATCHES OR OTHER DEFECTS IN GALVANIZED COATINGS SHALL BE REPAIRED WITH FIELD COAT OF GALVANIZED STEEL COMPONENTS
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL REPLACE OR REPAIR, ANY FAULTY, IMPROPER, OR INFERIOR MATERIALS OR WORKMANSHIP OR DEFECTIVE WORK OR DEFECTIVE WORKMANSHIP YEAR AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK BY VERNON UNDER THIS CONTRACT.	FIELD CUTS / DAMAGE (PRIOR TO PRIME & PAINT) FIRST & SECOND COAT PRIMER: PRO-PAINT CONCRETE/STAIN RESISTANT PRIMER OR ALL CUTS, WELDS, SCRATCHES OR OTHER DEFECTS IN GALVANIZED COATINGS SHALL BE REPAIRED WITH FIELD COAT OF GALVANIZED STEEL COMPONENTS

SPECIAL INSPECTION

GENERAL:

A CERTIFICATE OF SATISFACTORY COMPLETION OF WORK AND ALL FIELD REPORTS FOR WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTOR OF RECORD, THE AGENT OF RECORD, THE SCHOOL DISTRICT'S REPRESENTATIVE AND THE GENERAL CONTRACTOR PRIOR TO FINAL APPROVAL FOR OCCUPANCY.

WORK REQUIRING SPECIAL INSPECTION:

1. EXPANSION BOLTS INSTALLED IN CONCRETE PAD. SEE DETAIL: 3/D1
2. ADHESIVE ANCHORS INSTALLED IN CONCRETE PAD. SEE DETAILS: 3/D1 & 4/D1

1. THE SPECIAL INSPECTOR MUST BE APPROVED BY THE CITY OF SAN DIEGO, DEVELOPMENT SERVICES IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.

CONCRETE EXPANSION ANCHORS

1. INSTALLATION: INSTALL ANCHORS IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN ACR HOOK RESEARCH COMMITTEE RECOMMENDATIONS FOR THE SPECIFIC ANCHOR. SPECIAL INSPECTION IS REQUIRED.

WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE-INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

2. JOE TESTING: FOR VERIFYING SATISFACTORY INSTALLATION WORKMANSHIP, PERFORM JOE TEST LOADS FOR EXPANSION ANCHORS ACTING IN SHEAR AND/OR TENSION IN THE PRESENCE OF THE PROJECT INSPECTOR. SUBMIT REPORT OF TEST RESULTS TO ENFORCEMENT AGENCY, IF ANY ANCHORS FAIL THE TENSIONING TEST REQUIREMENTS. THE TENSIONING TEST REQUIREMENTS SHALL BE ACCEPTABLE TO THE ENFORCEMENT AGENCY.

A. WHEN EXPANSION-TYPE ANCHORS ARE USED FOR SILL PLATE BOLTING APPLICATIONS, 10% OF THE ANCHORS SHALL BE TENSION TESTED.

B. WHEN EXPANSION-TYPE ANCHORS ARE USED FOR OTHER STRUCTURAL APPLICATIONS, ALL SUCH EXPANSION ANCHORS SHALL BE TENSION TESTED. EXPANSION-TYPE ANCHORS SHALL NOT BE USED AS HOLD-DOWN BOLTS.

C. WHEN EXPANSION-TYPE ANCHORS ARE USED FOR NON-STRUCTURAL APPLICATIONS, SUCH AS EQUIPMENT ANCHORAGE, 50% OF ALTERNATE BOLTS IN A GROUP SHALL BE TENSION TESTED.

D. PROOF LOAD TEST THE EXPANSION ANCHORS TO THE TENSILE PROOF LOAD INDICATED FOR THE ANCHOR TYPE. IF ANY ANCHORS FAIL, THEN TEST ALL ANCHORS NOT PREVIOUSLY TESTED UNTIL (20) CONSECUTIVE PASS, THEN RESUME INSTALL TESTING FREQUENCY.

E. THE PROOF LOAD MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TENSION IN THE ANCHOR, SUCH AS DIRECT PULL WITH A HYDRAULIC JACK, A TORQUE WRENCH CALIBRATED FOR USE WITH A SPECIFIC ANCHOR, CALIBRATED SPRING SCALED DEVICES, ETC. ANCHORS IN WHICH TORQUE IS USED TO EXPAND THE ANCHOR WITHOUT APPLYING TENSION TO THE BOLT MAY NOT BE VERIFIED WITH A TORQUE WRENCH.

3. ANCHORS: MULTI BOLT IZ (CCR ESR-1817)

TEST VALUES
2500 PSI HARDENED

ANCHOR DIA. (IN)	MINIMUM PROOF LOAD (LBS)	MINIMUM TENSILE CAPACITY (LBS)	ANCHOR PROOF LOAD (KIP)	MINIMUM TENSILE CAPACITY (KIP)
1/2"	1950	12500	0.44	28

4. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE CATEGORIES AND TO THE ANCHOR OUTSIDE DIAMETER FOR THE SLEEVE CATEGORY.

5. APPLY PROOF TEST LOADS TO WEDGE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE, IF NOT REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS AS THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY LOAD.

6. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM ROTATING BY THE FIXTURE(S).

7. TEST EQUIPMENT (INCLUDING TORQUE WRENCHES) IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.

8. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:

HYDRAULIC RACK METHOD:

THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD FOR WEDGE AND SLEEVE TYPE ANCHORS. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WRENCH UNDER THE NUT BECOMES LOOSE.

TORQUE WRENCH METHOD:

THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:

WEDGE OR SLEEVE TYPE:
ONE-HALF (1/2) TURN OF THE UNIT
ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8" SLEEVE ANCHOR ONLY.

9. TESTING SHOULD OCCUR A MINIMUM OF 24 HOURS AFTER INSTALLATION OF THE SUBJECT ANCHOR.

10. IF THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE IS LESS THAN THE TEST TORQUE NOTED IN THE TABLE, THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE SHOULD BE USED IN LIEU OF THE TABULATED VALUES.

11. ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE SPECIAL INSPECTOR.

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STRUCTURAL CONCRETE SPECIFICATIONS

A. GENERAL

PRECEDENCE: UNLESS OTHERWISE NOTED OR SPECIFIED IN THESE DRAWINGS, THE FOLLOWING GENERAL NOTES SHALL APPLY. INFORMATION ON THESE DRAWINGS SHALL HAVE THE FOLLOWING PRECEDENCE:

- ALL DIMENSIONS TO TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- MATERIAL NOTES AND SPECIFICATIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE SPECIFICATIONS.
- OTHER TRADES: SEE OTHER SHEETS IN THESE DRAWINGS FOR INFORMATION AND DIMENSIONS NOT SHOWN THAT MAY BE NEEDED TO PROPERLY COMPLETE THIS FOUNDATION WORK.
- SIMILAR DETAILS: CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.
- WATERPROOFING: WATERPROOFING DETAILS AND SPECIFICATIONS, ALTHOUGH SOMETIMES SHOWN ON STRUCTURAL DRAWINGS ARE FOR GENERAL INFORMATION PURPOSES ONLY. ARCHITECTURAL WATERPROOFING DETAILS, WHERE APPLICABLE, APPEAR ELSEWHERE IN THESE DRAWINGS.
- MEANS & METHODS: THESE DRAWINGS AND ASSOCIATED DETAILS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION UNLESS SPECIFICALLY NOTED OTHERWISE.
- SHORING: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ALL TEMPORARY BRACING AND SHORING TO INSURE THE SAFETY OF THE WORK UNTIL IT IS IN ITS COMPLETED FORM. THIS INCLUDES UNDERPINNING EXISTING FOOTINGS WHERE APPLICABLE.

B. MATERIALS

GENERAL DETAIL, PREPARE, FORM, CURE AND PLACE CONCRETE IN ACCORDANCE WITH ACI 318, ACI 318-05, CP109 AND ACI DETAILING MANUAL. CHAMFER ALL EXPOSED EDGES 3/4"

STRENGTH: CONCRETE FOR THIS PROJECT SHALL HAVE THE FOLLOWING MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT AGE OF 28 DAYS:

LOCATION	STRENGTH	WEIGHT	SUMP	ADJUSTURE
A. CONCRETE PAD	3000psi	150pcf	4"	NONE

CONTRACTOR SHALL PROVIDE CONCRETE TEST CYLINDERS AS REQUIRED FOR 7 DAY AND 28 DAY TESTING. TEST DATA SHALL BE SUBMITTED TO AT&T MOBILITY CONSTRUCTION MANAGER FOR REVIEW AND APPROVAL.

SPECIAL INSPECTION: CONCRETE WITH SPECIFIED STRENGTH REQUIRED TO BE GREATER THAN 2500psi SHALL BE CONTINUOUSLY INSPECTED DURING PLACEMENT BY A SPECIAL INSPECTOR EMPLOYED BY A TESTING LABORATORY APPROVED BY THE BUILDING DEPARTMENT.

REINFORCING BAR GRADES: REINFORCING STEEL SHALL BE CLEAN PREFORMED BARS CONFORMING TO ASTM A615 AS FOLLOWS:

- #4 & SMALLER BARS: GRADE 40
- #5 & LARGER BARS: GRADE 60

C. CEMENT:

- FOOTINGS & SLABS: TYPE I, LOW ALKALI CONFORMING TO ASTM C-150.
- PIER & CASSON FOOTINGS: TYPE I, LOW ALKALI CONFORMING TO ASTM C-150.
- SIZE: CONCRETE AND SOIL SULFATE CONTENT NOTES ELSEWHERE ON THIS SHEET.

AGGREGATE: AGGREGATE USED IN THE CONCRETE SHALL CONFORM TO ASTM C-33. USE ONLY AGGREGATES KNOWN NOT TO CAUSE EXCESSIVE "SHRINKAGE". THE MAXIMUM SIZE AGGREGATE IN CONCRETE WORK SHALL BE THE FOLLOWING:

- A. FOOTINGS, PAD & SLABS 9" THICK OR LESS: 3/4" GRAVEL
- B. PIER CASSON FOOTINGS: 1" GRAVEL

WATER: SHALL BE CLEAN AND FREE FROM DELETERIOUS AMOUNT OF ACIDS, ALKALIS, ORGANIC MATERIALS AND SHALL BE SATISFACTORY FOR HUMAN CONSUMPTION.

MIXING: PREPARATION OF CONCRETE SHALL CONFORM TO ASTM C-94. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY A TESTING AGENCY.

SEGREGATION OF AGGREGATES: CONCRETE SHALL NOT BE FLOPPED THROUGH REINFORCING STEEL (AS IN WALLS, COLUMNS, CASSON, AND DROP COLUMNS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. USE WORKERS, CHUTES, TRUMPS OR PUMP HOSE SO THAT THE FREE UNCOMPRESSED FALL OF CONCRETE SHALL NOT EXCEED 5 FEET.

SPICES OF REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 30 DIAMETERS OR AS SPECIFICALLY DETAILED ON DRAWINGS AND SECURELY WELDED TOGETHER. SPICES OF ADJACENT REINFORCING BARS SHALL BE STAGGERED WHEREVER POSSIBLE.

REINFORCING BAR CLEARANCE: UNLESS SPECIFICALLY NOTED OTHERWISE, CONCRETE COVERAGE FOR REINFORCING BARS TO FACE OF BAR SHALL BE AS NOTED BELOW. MINIMUM COVERAGE FOR JOISTS, BEAMS, GIRDERS AND COLUMNS SHALL BE TO FACE OF STIRRUPS OR TIES.

- A. CONCRETE IN CONTACT WITH EARTH, UNFORMED: 3"
- B. CONCRETE IN CONTACT WITH EARTH, FORMED: 2"
- C. WALL, EXTERIOR FACE: 1-1/2"
- D. WALL, INTERIOR FACE: 1"
- E. STRUCTURAL SLAB: 3/4"
- F. JOISTS: 3/4"
- G. BEAMS, GIRDERS AND COLUMNS: 1-1/2"

PENETRATIONS: NO SLEEVES OR CHASES SHALL BE PLACED IN BEAMS, SLABS, WALLS AND COLUMNS, EXCEPT THOSE SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATIONS OF ANY ADDITIONAL SLEEVES OR CHASES. ALL PLUMBING, ELECTRICAL AND MECHANICAL OPENINGS SHALL BE IN SLEEVES. CORING IS NOT ALLOWED UNLESS PRIOR APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER.

CONDUIT: CONDUIT PLACED IN A CONCRETE SLAB SHALL NOT HAVE AN OUTSIDE DIAMETER GREATER THAN 1/4 THE THICKNESS OF THE SLAB. CONDUIT SHALL NOT BE EMBEDDED IN A SLAB THAT IS LESS THAN 3-1/2" THICK, UNLESS SLAB IS LOCALLY THICKENED. SEE TYPICAL DETAIL. MINIMUM CLEAR DISTANCE BETWEEN CONDUITS SHALL BE SIX INCHES.

- EMBEDDED TIES & ANCHORS: ALL ANCHOR BOLTS, REINFORCING STEEL, DOWELS, INSERTS, ETC. SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE. NO REPOSITIONING DURING CONCRETE POUR IS PERMITTED.
- ALL CONCRETE SHALL BE CONSOLIDATED BY INTERNAL VIBRATION IN ACCORDANCE WITH A.C.I. STANDARDS 308-72 RECOMMENDED PRACTICE FOR CONSOLIDATION OF CONCRETE.
- CHAMFER ALL EXPOSED EDGES 3/4"
- ALL COLD WEATHER & HOT WEATHER CONCRETE PLACEMENT SHALL BE IN ACCORDANCE WITH A.C.I. 309 AND 309R.
- CURING: SLABS SHALL BE SPRAYED WITH A CURING COMPOUND IMMEDIATELY AFTER FINISHING. KEEP SLAB WET FOR A (7) DAY PERIOD MINIMUM.

C. CONCRETE UNIT MASONRY

MINIMUM COMPRESSIVE STRENGTH OF MASONRY, F_m, SHALL BE 1500 PSI AT 28 DAYS. COMPLIANCE SHALL BE VERIFIED FOR CBC SECTION 2105.3.3. SPECIAL INSPECTION REQUIRED.

MASONRY UNITS: ASTM C-90, GRADE N, TYPE 1, MEDIUM WEIGHT HOLLOW, LOAD BEARING UNITS. MINIMUM COMPRESSIVE STRENGTH: 1900 PSI.

MORTAR: TYPE "S" CONFORM TO ASTM C270, GRADE N, TYPE 1. MINIMUM COMPRESSIVE STRENGTH: 1800 PSI.

GROUT: CONFORM TO ASTM C478. MINIMUM COMPRESSIVE STRENGTH: 2000 PSI.

D. REINFORCING STEEL:

LOCATION	TYPE
REINFORCING TO BE WELDED	ASTM A706, GRADE 60
ALL OTHER REINFORCING	ASTM A615, GRADE 60
JOINT REINFORCING	ASTM A851

REINFORCING BAR LAP: 48 BAR DIAMETERS OR AS SPECIFICALLY NOTED ON DRAWINGS. WHERE MULTIPLE BARS ARE INSTALLED IN CELL OR COURSE, STAGGER LAPS A MINIMUM OF 2'-0".

CENTER VERTICAL REINFORCING IN WALL UNLESS NOTED OTHERWISE.

LAY UNITS IN RUNNING BOND AND MAINTAIN VERTICAL CONTINUITY OF CORERS OR CELL CAVITIES. USE OPEN END UNITS AT LOCATIONS OF VERTICAL REINFORCING. PLACE HORIZONTAL REINFORCING IN BOND BEAM UNITS OR STANDARD UNIT, UNITS.

FILL ALL CELLS SOLIDLY WITH GROUT. CLEAN CELLS AND BOND BEAMS OF MORTAR PROTRUSIONS AND DEBRIS BEFORE GROUTING.

PROVIDE THE FOLLOWING MINIMUM CLEARANCES:

LOCATION	CLEARANCES
BETWEEN REINFORCING AND INSIDE FACE OF MASONRY UNITS	1/2" CLEAR
BETWEEN PARALLEL BARS	1" CLEAR
EMBEDDED BOLTS	1" CLEAR ALL AROUND

VERTICAL REINFORCEMENT IN WALLS, PLASTERS ETC. SHALL BE DOWNED TO THE FOOTING WITH DOWELS THE SAME SIZE AND SPACING AS THE VERTICAL REINFORCING IN MASONRY, UNLESS NOTED OTHERWISE.

LOW-LIFT GROUTING: LAY UNITS A MAXIMUM OF 2 FEET HIGH BEFORE GROUTING. PLACE GROUT IN A CONTINUOUS PLACEMENT IN GROUT LIFTS NOT EXCEEDING 2 FEET. COMPLETELY GROUT THE FULL HEIGHT OF THE WALL SECTION IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR.

HIGH-LIFT GROUTING: LAY UNITS A MAXIMUM OF 12 FEET HIGH BEFORE GROUTING. PLACE GROUT IN A CONTINUOUS PLACEMENT IN GROUT LIFTS NOT EXCEEDING 4 FEET. COMPLETELY GROUT THE FULL HEIGHT OF THE WALL SECTION IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR. PROVIDE CLEANOUTS AT EVERY CELL ALONG THE BOTTOM COURSE OF EACH GROUT LIFT. USE SBA GROUT AND TYPE II OR E-2 AND MONITOR IN THE GROUT TO REDUCE EARLY WATER LOSS AND PRODUCE AN EXPANSIVE ACTION.

CONDUITS SHALL NOT BE PLACED IN CELLS UNLESS SPECIFICALLY DETAILED.

TWO #4 BARS REQUIRED AROUND ALL WALL OPENINGS. EXTEND 24" BEYOND OPENING WHEN POSSIBLE.

WALLS SHALL BE LATERALLY BRACED UNTIL CONNECTING DIAPHRAGMS ARE COMPLETE.

VERTICAL REINFORCEMENT SHALL BE SECURED IN POSITION AT INTERVALS NOT GREATER THAN 200 BAR DIAMETERS.

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APPROVALS

ABC	DATE
RE	DATE
RF	DATE
INT	DATE
CE/IN	DATE
OPS	DATE
CE/OUT	DATE

PROJECT NAME

CAMINO RUIZ
GENERATOR

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
SAN DIEGO COUNTY

DRAWING, DATES

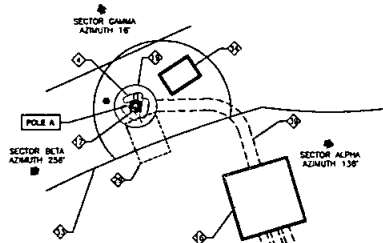
08/21/16 80% CD (H)
08/11/16 100% CD (H)

SHEET TITLE

SPECIFICATIONS

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EXISTING BATTERY DATA

RS72-36 BATTERY CABINET.

LTE EQUIPMENT CABINET WITH BATTERY BASE:

TOTAL GALLONS OF SULFURIC ACID = 68.72 GALLONS

NOTE:
NO NEW BATTERIES WILL BE ADDED TO THIS PROJECT

LIGHT STANDARD PLAN

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

AT&T MOBILITY EQUIPMENT SHELTER

EQUIPMENT ENCLOSURE & LIGHT STANDARD PLAN

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

KEYED NOTES:

1. THREE (3) EXISTING VERIZON WIRELESS ANTENNAS LOCATED ON A 30'-0" HIGH LIGHT STANDARD BEHIND AN EXISTING 24' x 7'-6" RADOME (POLE B) (NO CHANGE)
2. EXISTING VERIZON WIRELESS SPLIT-FACE BLOCK EQUIPMENT ENCLOSURE WITH WOOD FROGLES CONSTRUCTED TO MATCH EXISTING ADJACENT TRASH ENCLOSURE. REMOVE ONE CMO CABINET & INSTALL ONE GENERATOR.
3. EXISTING VERIZON WIRELESS "CMO" COMPACT METRO CELL OUTDOOR EQUIPMENT ENCLOSURE. 32" WIDE x 30" HIGH x 30" DEEP. WEIGHT: 2082 LBS.
4. THREE (3) EXISTING VERIZON WIRELESS ANTENNAS MOUNTED ON A 30'-0" HIGH LIGHT STANDARD BEHIND AN EXISTING 30' x 7'-6" RADOME (POLE A) (NO CHANGE)
5. EXISTING LANDSCAPE AREA
6. EXISTING UNDERGROUND COAXIAL CABLE TRENCH. ROUTE SIX (6) ADDITIONAL 1/2" x COAX CABLE FROM ENCLOSURE TO ANTENNAS
7. EXISTING VERIZON WIRELESS RS72-36 EQUIPMENT CABINET
8. EXISTING VERIZON WIRELESS LTE EQUIPMENT CABINET
9. EXISTING FUSED DISCONNECT SWITCH UNISTRUT MOUNTED TO WALL
10. EXISTING MANUAL TRANSFER SWITCH UNISTRUT MOUNTED TO WALL
11. EXISTING 200 AMP ELECTRICAL PANEL UNISTRUT MOUNTED TO WALL
12. EXISTING POURED-IN-PLACE CONCRETE PAD FOR VERIZON WIRELESS CABINETS SLOPE TO DRAIN
13. EXISTING TELCO CABINET UNISTRUT MOUNTED TO WALL
14. EXISTING SODGE 3312 ELECTRICAL PULL-BOX. BY AT&T.
15. EXISTING UNDERGROUND 17'-30"x30" TELCO PULL BOX BY AT&T
16. EXISTING 3'-0" x 3'-0" x 3'-0" DEEP COAX CABLE PULLBOX WITH TRAFFIC RATED COVER
17. EXISTING 30'-0" LIGHT STANDARD
18. EXISTING LUG BOX FOR EMERGENCY GENERATOR CONNECTION MOUNTED TO WALL
19. EXISTING RADOME CONCEALING EXISTING VERIZON WIRELESS ANTENNAS
20. EXISTING STEEL GATE AND FRAME WITH VERIZON WIRELESS SHAWNEE
21. EXISTING WALL MOUNTED LIGHT FIXTURE (TYPICAL OF 3) ON A MANUAL TIMER SWITCH
22. EXISTING BOLLARDS (TYPICAL OF 2)
23. EXISTING TRASH ENCLOSURE STEEL GATES AND FRAME
24. EXISTING TELCO CABINET "THE BLAST" UNISTRUT MOUNTED TO WALL
25. EXISTING CONCRETE LANDING
26. EXISTING SPLIT-FACE BLOCK TRASH ENCLOSURE
27. SIDE YARD SETBACK LINE (SHOWN DASHED)
28. EXISTING STEP-DOWN TRANSFORMER ON CONCRETE SLAB
29. EXISTING LIGHT FIXTURE ABOVE (SHOWN DASHED)
30. EXISTING COAX CABLE TRAY MOUNTED TO WALL (SHOWN DASHED)
31. EXISTING ELECTRICAL PULL BOXES
32. EXISTING PAVED PARKING LOT
33. EXISTING CONCRETE SUBWALK
34. EXISTING ELECTRICAL PULL BOX TO REMAIN
35. EXISTING PROPERTY LINE
36. EXISTING CENTERLINE OF RIVER ROCK DRAINAGE SWALE
37. EXISTING CONCRETE CURB
38. EXISTING UNDERGROUND COAXIAL CABLE TRENCH
39. EXISTING CABLE CONDUIT TRENCH
40. EXISTING TREE TO REMAIN
41. EXISTING FENCE FOR ACCESS
42. EXISTING RAISED CONCRETE PAD
43. EXISTING GPS ANTENNA MOUNTED TO "CMO" EQUIPMENT CABINET (TYPICAL OF 2) (INSTALL GPS ANTENNA TO REMAINING "CMO" CABINET)
44. EXISTING COAX CABLE CONDUITS TO "POLE A" & TO "POLE B"
45. EDGE OF EXISTING DIRT PATH
46. EXISTING ANTENNA GROUND BUSH BAR MOUNTED TO WALL
47. PROPOSED VERIZON WIRELESS POLAR 150W DC ENCLOSED DIESEL STANDBY GENERATOR WITH A 54 GALLON DOUBLE WALL SUBBASE FUEL TANK ON EXISTING CONCRETE PAD. (INSTALL CONCRETE PAD EXTENSION AS SHOWN FOR BASE ATTACHMENT. GENERATOR UNIT WITH A SINGLE UNIT SOUND PRESSURE LEVEL OF 65 DBA AT A REFERENCE DISTANCE OF 23 FEET. 32.00" WIDE x 48.2" DEEP x 76.53" HEIGHT. WEIGHT: 1200 LBS.
48. EXISTING (5) RPUS UNITS MOUNTED TO WALL
49. PROPOSED CONCRETE PAD EXTENSION. SEE DETAIL 5 D1
50. EXISTING "CMO" CABINET TO BE REMOVED (SHOWN DASHED). CONSOLIDATE INTERIOR EQUIPMENT INTO REMAINING "CMO" CABINET. RELOCATE GPS ANTENNA TO REMAINING "CMO" CABINET.

NOTE: GENERATOR FUEL TANK (54 GALLON CAPACITY) EXEMPT FROM AN OPERATIONAL PERMIT IN ACCORDANCE WITH CFC 102.6 (1)(2) - TO STORE, HANDLE OR USE CLASS I OR CLASS IIA LIQUIDS IN EXCESS OF 25 GALLONS (95 L) IN A BUILDING OR IN EXCESS OF 60 GALLONS (227 L) OUTSIDE A BUILDING EXCEPT FOR FUEL OIL USED IN CONNECTION WITH OIL-BURNING EQUIPMENT.

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APPROVALS

AEC	DATE
RE	DATE
RF	DATE
INT	DATE
EC/IN	DATE
OPS	DATE
EC/OUT	DATE

PROJECT NAME

**CAMINO RUIZ
GENERATOR**

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
SAN DIEGO COUNTY

DRAWING DATAS

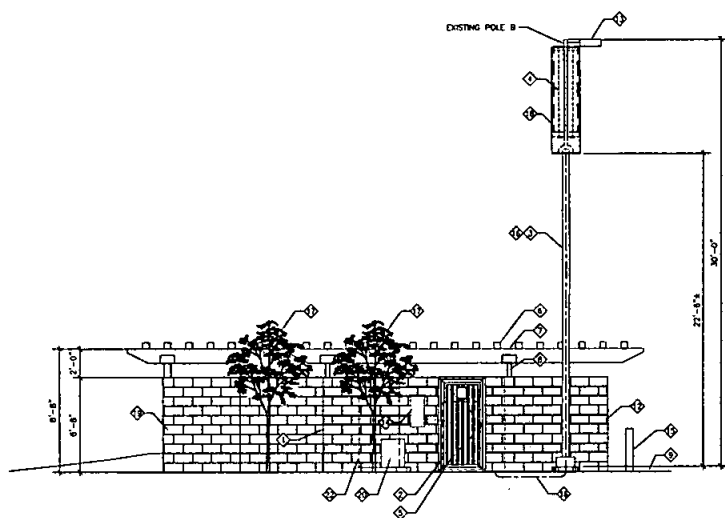
06/21/18 100% CD (H)
06/11/18 100% CD (H)

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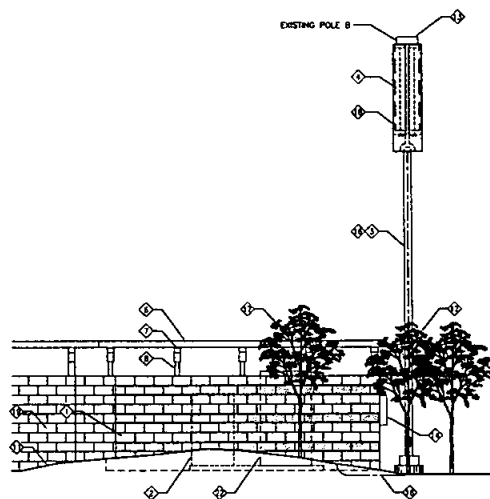
**EQUIPMENT ENCLOSURE
&
LIGHT STANDARD PLANS**

PROJECTS/verman/1601866

A-2



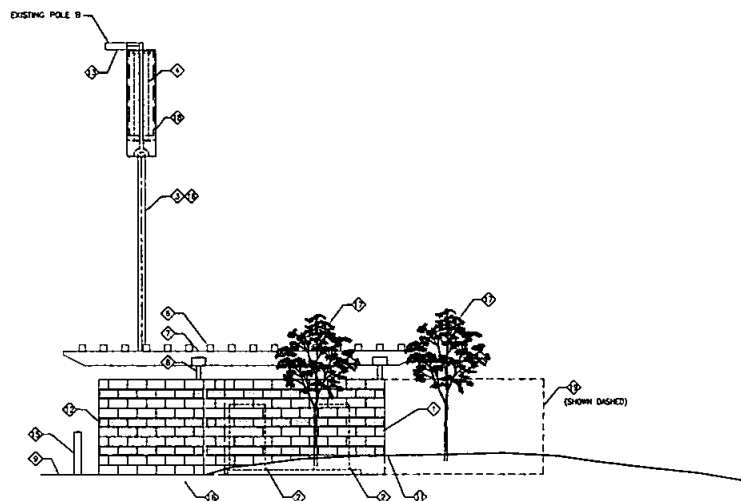
EAST ELEVATION
SCALE: 1/4" = 1'-0"



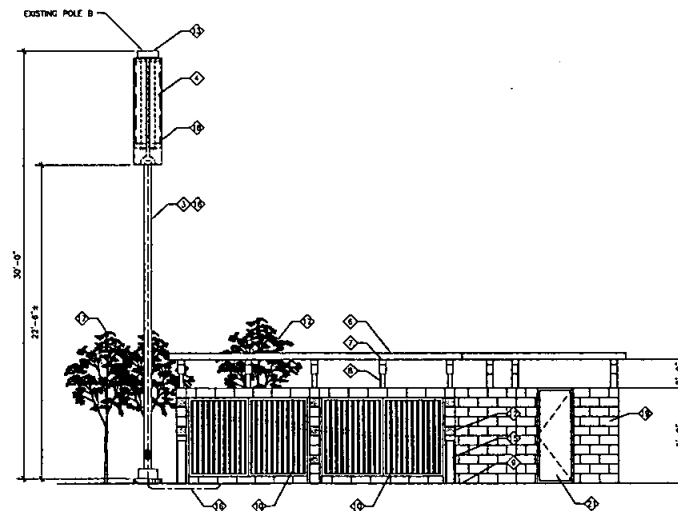
SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

KEYED NOTES:

- 1 EXISTING VERIZON WIRELESS SPLIT-FACE BLOCK EQUIPMENT ENCLOSURE WITH WOOD TRELLIS CONSTRUCTED TO MATCH EXISTING ADJACENT TRASH ENCLOSURE. REMOVE ONE CMO CABINET & INSTALL ONE GENERATOR.
- 2 EXISTING VERIZON WIRELESS EQUIPMENT (SHOWN DASHED)
- 3 EXISTING LIGHT STANDARD. (TYPICAL OF 2)
- 4 THREE (3) EXISTING VERIZON WIRELESS ANTENNAS LOCATED ON A 30'-0" HIGH LIGHT STANDARD BEHIND EXISTING 24" x 8" x 7'-6" RADOME. (POLE B)
- 5 EXISTING STEEL GATE AND FRAME WITH VERIZON WIRELESS SIGNAGE (SHOWN DASHED)
- 6 EXISTING ROUGH SAWN 6" x 6" @ 18" O.C.
- 7 EXISTING ROUGH SAWN 6" x 12" BEAMS
- 8 EXISTING GALVANIZED STEEL 3" x SUPPORT POST WITH SIMPSON BEAM HANGER
- 9 EXISTING PAVED PARKING LOT
- 10 EXISTING TRASH ENCLOSURE STEEL GATES AND FRAME
- 11 EXISTING GRADE / LANDSCAPE AREA
- 12 EXISTING SPLIT-FACE BLOCK TRASH ENCLOSURE
- 13 EXISTING LIGHT FIXTURE MOUNTED TO LIGHT STANDARD
- 14 EXISTING LUG BOX FOR EMERGENCY GENERATOR CONNECTION. MOUNTED TO WALL.
- 15 EXISTING BOLLARD (TYPICAL OF 2)
- 16 EXISTING SH (6) 1/2" x COAX CABLE FROM ENCLOSURE TO ANTENNAS
- 17 EXISTING TREE
- 18 EXISTING RADOME CONCEALING EXISTING VERIZON WIRELESS ANTENNAS. (POLE B)
- 19 EXISTING AT&T MOBILITY EQUIPMENT CONCRETE BLOCK WALL ENCLOSURE WITH TRELLIS
- 20 EXISTING TRANSFORMER
- 21 EXISTING AT&T ACCESS GATE AND FRAME
- 22 PROPOSED VERIZON WIRELESS POLAR 15kW DC ENCLOSED DIESEL STANDBY GENERATOR WITH A 54 GALLON DOUBLE WALL SUBBASE FUEL TANK ON EXISTING CONCRETE PAD.



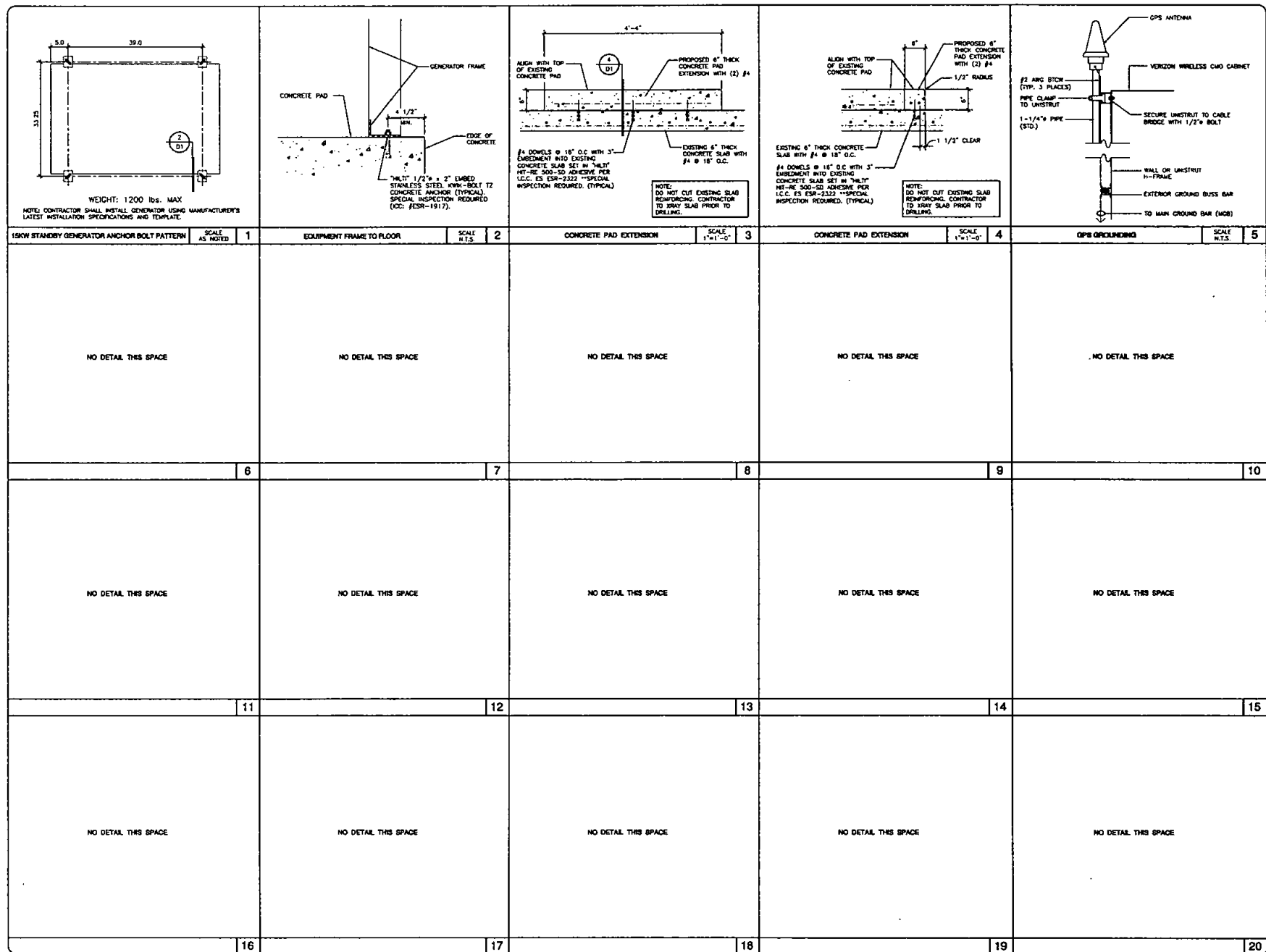
WEST ELEVATION
SCALE: 1/4" = 1'-0"



NORTH ELEVATION
SCALE: 1/4" = 1'-0"

APPROVALS

ABC	DATE
EL	DATE
RF	DATE
MT	DATE
CE/IN	DATE
OPS	DATE
CE/OUT	DATE



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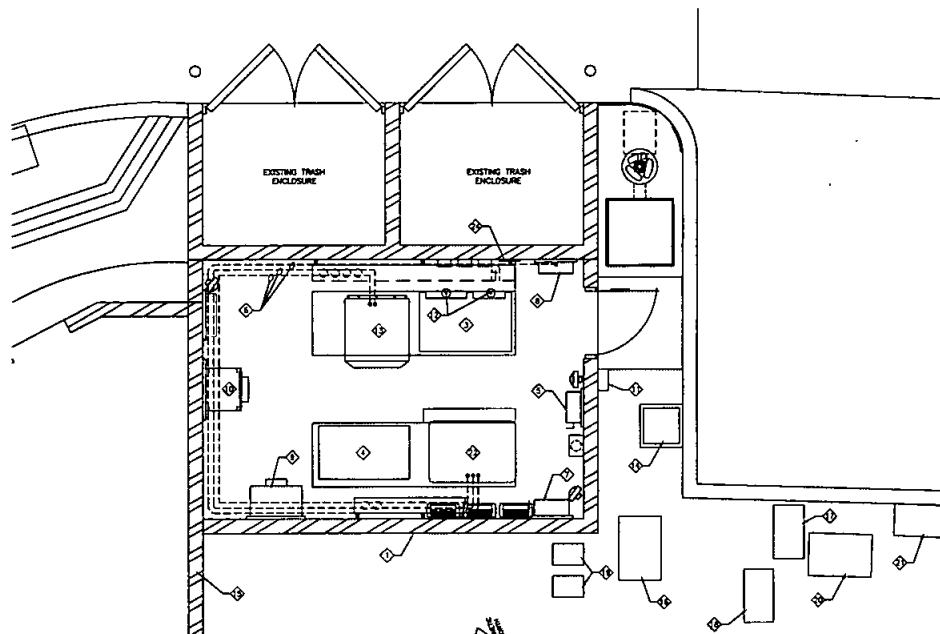
APPROVALS

ABC	DATE
RE	DATE
RT	DATE
WT	DATE
CE/IN	DATE
OPS	DATE
CE/OUT	DATE

PROJECT NAME
CAMINO RUIZ GENERATOR
11498 CAMINO RUIZ
SAN DIEGO, CA 92126
SAN DIEGO COUNTY
DRAWING DATES
06/21/14 92% CD (2)
08/11/16 100% CD (4)

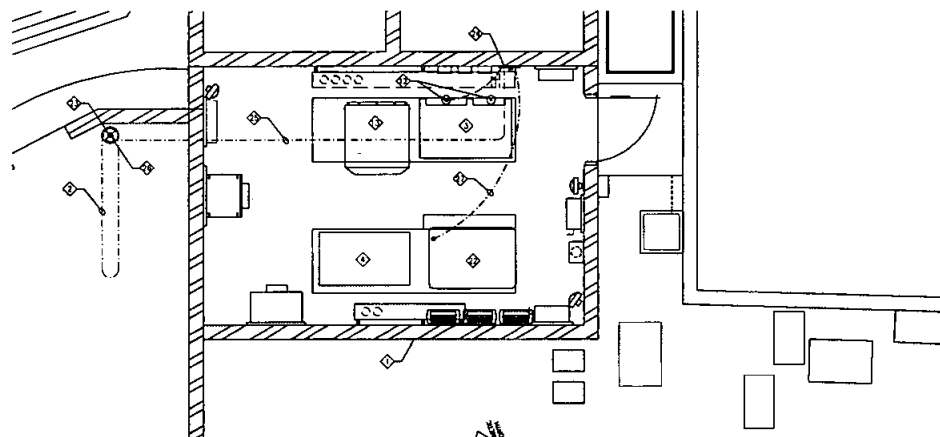
SHEET TITLE
DETAILS
PROJECTS\verizon\160190d

D-1



ELECTRICAL PLAN

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



GROUNDING PLAN

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

ELECTRICAL AND GROUNDING PLAN NOTES:

- ① EXISTING VERIZON WIRELESS CONCRETE BLOCK WALL EQUIPMENT ENCLOSURE.
- ② EXISTING GROUND RING.
- ③ EXISTING VERIZON WIRELESS "CMO" COMPACT METRO CELL OUTDOOR ENCLOSURE.
- ④ EXISTING VERIZON WIRELESS LTE EQUIPMENT CABINET.
- ⑤ EXISTING FUSED DISCONNECT SWITCH MOUNTED TO WALL.
- ⑥ PROPOSED ELECTRICAL CONDUIT MOUNTED TO WALL.
- ⑦ EXISTING MANUAL TRANSFER SWITCH MOUNTED TO WALL.
- ⑧ EXISTING 200 AMP ELECTRICAL PANEL "A" MOUNTED TO WALL.
- ⑨ EXISTING TELCO CABINET "NORTHSTAR" NSC-3630-1023 UNISTRUT MOUNTED TO WALL.
- ⑩ EXISTING PURCELL FIBER CABINET UNISTRUT MOUNTED TO WALL.
- ⑪ EXISTING VERIZON WIRELESS APPLETON GENERATOR PLUS MOUNTED TO WALL.
- ⑫ EXISTING VERIZON WIRELESS GPS ANTENNA MOUNTED TO "CMO" EQUIPMENT CABINET ((1) TO REMAIN; (1) RELOCATED FROM REMOVED "CMO" CABINET).
- ⑬ EXISTING VERIZON WIRELESS RBS72-36 EQUIPMENT CABINET.
- ⑭ STEP-DOWN TRANSFORMER.
- ⑮ EXISTING AT&T EQUIPMENT ENCLOSURE (NOT PART OF THIS APPLICATION).
- ⑯ EXISTING 2"-0"X3"-0" UNDERGROUND TELCO SPACE BOX, BY VERIZON.
- ⑰ EXISTING SODAGE 3312 ELECTRICAL PULL-BOX, BY AT&T.
- ⑱ EXISTING UNDERGROUND 17"-30"X30" TELCO PULL BOX BY AT&T.
- ⑲ EXISTING ELECTRICAL PULL BOXES.
- ⑳ EXISTING ELECTRICAL PULL BOX TO REMAIN.
- ㉑ EXISTING TELCO PULL BOX TO REMAIN.
- ㉒ PROPOSED VERIZON 15kW DC ENCLOSED STANDBY GENERATOR WITH A 54 GALLON DOUBLE WALL SUBBASE FUEL TANK ON A POURED-IN-PLACE CONCRETE PAD.
- ㉓ EXISTING VERIZON WIRELESS KIT GROUND ROD.
- ㉔ EXISTING GROUND BUS BAR (AGB), FIELD VERIFY LOCATION.
- ㉕ EXISTING #2 SOLID TINNED BARE COPPER WIRE IN 3/4"X3/4" SCHEDULE 40 UN-RESISTANT PVC OR NON-METALLIC FLEXIBLE CONDUIT FROM EXISTING GROUND BUS BAR (EGB) TO KIT GROUND ROD.
- ㉖ EXISTING GND WELD.
- ㉗ RECONNECT #2 AWG GREEN INSULATED STRANDED COPPER CONDUCTOR FROM REMOVED "CMO" TO NEW GENERATOR.

GROUNDING GENERAL NOTES:

1. GROUNDING LAYOUT MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
2. THE CABINET GROUND LOCATION SHALL BE APPROVED BY THE VERIZON WIRELESS PROJECT MANAGER. NOTIFY PROJECT MANAGER OF ANY DIFFICULTIES INSTALLING TO GROUNDING SYSTEM DUE TO SITE OR SOIL CONDITIONS.
3. GROUND TEST: CONTRACTOR SHALL PROVIDE TEST OF THE GROUNDING SYSTEM. PROVIDE TEST RESULTS TO THE VERIZON WIRELESS PROJECT MANAGER FOR REVIEW. GROUNDING SYSTEM RESISTANCE TO EARTH GROUND SHALL NOT EXCEED 5 OHMS. IF THE GROUND TEST EXCEEDS THE MAXIMUM OF 5 OHMS CONTRACTOR SHALL INFORM VERIZON WIRELESS PROJECT MANAGER.
4. ALL GROUND WIRE SHALL BE TIN COATED OR GREEN INSULATED WIRE, UNLESS OTHERWISE NOTED.
5. CONNECTIONS: ALL ABOVE-GRADE INTERIOR GROUNDING CONNECTIONS SHALL BE DOUBLE-LUG COMPRESSION TYPE. ALL BELOW-GRADE AND EXPOSED EXTERIOR GROUNDING CONNECTIONS TO PERMANENT EQUIPMENT AND FIXED BUILDING ELEMENTS SHALL BE CAPPED TYPE EXCEPT AS OTHERWISE INDICATED.
6. ALL EXPOSED GROUNDING CONNECTIONS TO BE COATED WITH ANTI-CORROSION AGENT SUCH AS "ZINC-OIL", "ZINCALOX" OR "ZINCOMETRIK". VERIFY PRODUCT WITH VERIZON WIRELESS PROJECT MANAGER.
7. ALL BOLTS, WASHERS AND NUTS USED ON GROUNDING CONNECTIONS SHALL BE STAINLESS STEEL.
8. GROUND CONDUIT SHALL BE IN THREE (3) PLACES USING MANUFACTURER GUIDELINES.
9. GROUND CONDUCTOR BENDS
 - MINIMIZE # OF BENDS
 - MAXIMUM 90 DEGREE OF BENDS
 - MINIMUM BEND RADIUS FOR #2 OR SMALLER SHALL BE 8 INCHES.

LEGEND:

- ⊗ GROUND ROD
- MECHANICAL GROUND CONNECTION
- GNDWELD CONNECTION
- ⊗ GROUND ACCESS WELL
- ⊗ CIRCULAR CONCRETE BOX 9" x 12" HIGH WITH CONCRETE COVER WITH CAST LETTERS "GR ROD" (2 TOTAL)
- GROUND CONDUCTOR

Booth & Suarez
ARCHITECTURE INCORPORATED
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PREPARED FOR

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APPROVALS

ABC	DATE
RE	DATE
BY	DATE
INT	DATE
EE/IN	DATE
OPS	DATE
EE/OUT	DATE

PROJECT NAME

**CAMINO RUIZ
GENERATOR**

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
SAN DIEGO COUNTY

DRAWING DATES

05/21/16 90% CD (H)
06/11/16 100% CD (H)

SHEET TITLE

**ELECTRICAL AND
GROUNDING PLANS**

PROJECT: verizon\1801900

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