

Project: T-Mobile West LLC
APN: 067-100-027
Site#: SV80041A
Folio: 003368
Agent: DH

T-MOBILE WEST LLC
LEASE AGREEMENT
805 SAN ANTONIO CREEK ROAD (TUCKER'S GROVE)

THIS LEASE AGREEMENT is made by and between the

COUNTY OF SANTA BARBARA,
a political subdivision of the State of California,
hereinafter referred to as "COUNTY,"

and

T-Mobile West LLC,
a Delaware limited liability company,
hereinafter referred to as "LESSEE,"

with reference to the following:

WHEREAS, COUNTY is the owner of that certain real property commonly known as Tucker's Grove Park, located at 4800 Cathedral Oaks Rd, Santa Barbara CA, 93111, more particularly described as Assessor's Parcel Number 067-100-027, (hereinafter "Property"), which Property is shown as the diagonally slashed area in Exhibit "A", attached hereto and incorporated by reference; and

WHEREAS, Property is used for the purpose of a County Park to offer recreation and leisure to the general public.

WHEREAS, LESSEE currently operates and maintains a wireless communication network inside and outside the boundaries of Santa Barbara County; and

WHEREAS, LESSEE wishes to improve its communication network by continuing to operate a wireless communication facility used for providing wireless communication services on the said Property; and

WHEREAS, LESSEE desires to enter into this Lease Agreement (hereinafter "Agreement"), with the COUNTY for the use of such wireless facility subject to the terms and conditions contained herein.

NOW, THEREFORE, in consideration of the provisions, covenants, and conditions contained herein, the parties agree as follows:

1. **ADMINISTRATION AND ENFORCEMENT**: The provisions of this Agreement shall be administered and enforced for the COUNTY by the COUNTY'S General Services Department/Real Property Division and Community Services Department/Parks Division.

2. **LEASED AREA**: COUNTY hereby leases to LESSEE and LESSEE hereby takes from COUNTY the specific portion of the Property to be occupied by LESSEE'S wireless communication facility (hereinafter "Site") as shown on Exhibit "B", attached hereto and incorporated herein by reference.

3. **ACCESS TO THE SITE**: Notwithstanding any specific access restrictions on the Property, COUNTY shall allow LESSEE to access the Site 24 hours per day, seven (7) days per week, however, COUNTY shall not be responsible for maintaining the access road to the Site. LESSEE shall access the Site for its regular maintenance and minor repair visits during the regular hours of the County Park Property (8:00 am – 7:00 pm) unless otherwise approved in writing by COUNTY.

COUNTY shall not be liable to LESSEE for lack of access to the Site caused by circumstances beyond the reasonable control of COUNTY. However, in the event that the Site becomes inaccessible as a result of natural causes, COUNTY shall to the extent necessary cooperate with LESSEE to restore access in a timely fashion.

LESSEE shall comply with all COUNTY security programs and policies regarding LESSEE'S access to the Site; provided, however, such security programs and policies are applied in a uniform and non-discriminatory manner.

4. **PURPOSE AND USE**: LESSEE shall use the Site to construct, maintain, repair, alter, replace and/or remove or have constructed, maintained, repaired, altered, replaced, and/or removed all or any portion of LESSEE'S wireless communication facility, including but not limited to, the equipment shelter, radio equipment, antenna support structures, antennas, utility conduits, poles, wires, anchors, guys, and all other appurtenant equipment and operations approved by COUNTY which are incidental thereto and necessary to operate and maintain LESSEE'S wireless communication facility (hereinafter "Facility"), and to transmit and receive communication signals in any and all frequencies which do not interfere with other wireless communications existing as of the date of this Agreement, or with wireless communications with COUNTY existing at any time during the Term (defined below), and for all purposes incidental thereto as outlined in Section 13(B), **NONINTERFERENCE, Telecommunications**. LESSEE shall be responsible for supplying, installing and maintaining all power and utilities for the Site. LESSEE shall comply with all building permit requirements of COUNTY. LESSEE shall neither expand its use of the Site beyond the scope of the Specifications nor use or permit any use of the Site for any other purposes without the express written approval of the COUNTY'S Real Property Manager and Parks Manager, at the address listed in Section 25 **NOTICES**. No such approval from COUNTY'S Real Property Manager and/or Parks Manager shall excuse LESSEE from securing all permits and approvals required to implement such approved changes to the Site or its

Facility or obligate any other COUNTY department to issue permits and provide approval. LESSEE shall comply with all requirements of any and all permits. LESSEE shall not make any changes in LESSEE'S use of the Site beyond the scope of the Specifications without COUNTY'S prior written consent, which consent shall not be unreasonably withheld, conditioned, or delayed. LESSEE may, following written notice to COUNTY, make changes to and replacements of equipment which are of a substantially similar or "like-kind" nature without having to obtain the prior written approval of COUNTY'S Real Property Manager and/or Parks Manager, provided that such changes do not alter the square footage of the Site, change the visual impact of the equipment, change the location or size of such equipment, or change the level of transmission of such equipment or the Facility, and provided, further, that LESSEE shall provide at least ten (10) calendar days prior written notice to COUNTY'S Real Property Manager and Parks Manager in advance of any proposed changes to LESSEE'S Facility that, in accordance with the foregoing sentence, do not require COUNTY'S prior written consent.

LESSEE'S use of the Site shall conform to the equipment and antenna specifications described in Exhibit "C", attached hereto and by reference made a part hereof.

5. **TERM:** The term of this Agreement shall be for a period of five (5) years, commencing on January 1, 2026, (hereinafter "Commencement Date") and shall expire on December 31, 2030, subject to the provisions for termination and extension herein contained. As of the date of execution of this Agreement, LESSEE is in possession of the Site pursuant to that certain Sprint PCS Assets, L.L.C. Lease Agreement dated July 22, 2003 (the "Prior Agreement"), which expired by its terms on May 31, 2023. COUNTY hereby acknowledges that LESSEE has remained on the Site with COUNTY's permission under the holdover provision of the Prior Agreement.

6. **EXTENSION AND RENEWAL OF LEASE:** In the event this Agreement has not otherwise been terminated and LESSEE is in good standing at the end of the above-referenced term, then such term may be extended for two (2) additional terms of five (5) years upon mutual agreement by LESSEE and COUNTY. All extensions shall be requested by LESSEE in writing at least sixty (60) calendar days prior to the expiration of the then-current term, and such extensions shall be set forth as follows:

Extension Period One, 5 years	January 1, 2031 through December 31, 2035
Extension Period Two, 5 years	January 1, 2036 through December 31, 2040

In the event of any such extensions, the rent shall be calculated as per Section 7, RENT OR Section 8, RENT ADJUSTMENT, or such other basis as the parties may then agree to in writing duly executed by each of the parties. The Initial Term and all Renewal Terms, if any, shall be collectively referred to as the "Term".

7. **RENT:** The annual rent payable by LESSEE to COUNTY during the first year of this Agreement shall be FORTY-THREE THOUSAND TWO HUNDRED DOLLARS 00/100 (\$43,200.00) (hereinafter "Rent") payable in lawful money of the United States of America the balance amount of said Rent due within thirty (30) calendar days after the full execution of this

Agreement. Thereafter, payments of Rent shall be made annually, in advance, on or before January 1st of each and every calendar year. Rent due for any period during the term hereof which is for less than one (1) calendar year shall be prorated based upon a three hundred sixty-five (365) day year. The annual Rent shall be subject to adjustment as set out in Section 8, RENT ADJUSTMENT, below. If Rent is not paid ten (10) calendar days after the initial due date or any anniversary thereof, interest will accrue on the unpaid balance at ten percent (10%) per annum from the date it became due until it is paid.

Rental payments shall be made payable to COUNTY of Santa Barbara and mailed to the General Services Department/Real Property Division at the address as stated in Section 25, NOTICES, herein below.

8. **RENT ADJUSTMENT:** The Rent provided in Section 7, RENT, herein above, shall be subject to an annual cost of living adjustment which shall be deemed to be THREE PERCENT (3%) per annum during the initial term of this Agreement. During Extension Period One (1) through Two (2) of this Agreement, the Rent shall be subject to an annual cost of living adjustment which shall be deemed to be THREE PERCENT (3%) per annum.

9. **SITE SUITABILITY:** LESSEE has investigated the Property and the Site and has determined that they are suitable for LESSEE'S intended operations, and therefore, LESSEE hereby accepts, by way of executing this Agreement, the Site in its existing condition.

LESSEE ACKNOWLEDGES THAT, EXCEPT AS STATED HEREIN, COUNTY HAS MADE NO REPRESENTATIONS OR WARRANTIES ABOUT THE CONDITION OF THE PROPERTY OR SITE, OR THE SUITABILITY OF SAME FOR THE INTENDED USE BY LESSEE.

10. **CONSTRUCTION AND IMPROVEMENTS:** LESSEE has installed and constructed the Facility after obtaining the required Land Use Permit(s) and Building Permit(s). LESSEE shall give COUNTY no less than sixty (60) calendar days written notice prior to the commencement of any installation or construction work in, on, or about the Site, with the exception of regular maintenance, minor repair visits, and emergency work, and shall keep the Property and Site free and clear of liens for labor and materials by or on behalf of LESSEE. In the event that LESSEE wishes to alter or improve the Site in additional ways not anticipated by this section or by Section 13(D), NONINTERFERENCE, EQUIPMENT MODIFICATION, herein, LESSEE shall obtain the written approval in advance, from the County Architect, COUNTY'S General Services Department Real Property Manager and Parks Department Manager (which approval shall not be unreasonably withheld, conditioned or delayed) and comply with all requirements of all permits, approvals, and applicable law. COUNTY, in its role as proprietor of the Property, shall use its best efforts to respond in a timely manner to LESSEE'S request to alter or improve the Site.

The requirements relating to construction set forth herein are those of COUNTY as landowner and not as a governmental entity. Nothing in this Agreement shall be construed to entitle LESSEE to undertake future improvements of the Facility without complying with all permits required by COUNTY in its governmental capacity.

COUNTY warrants that it has the right and the ability to enter into this Agreement on the subject Property.

11. **TITLE TO FACILITY:** During the term of this Agreement, title to LESSEE'S owned Facility (cell tower and equipment) shall vest with LESSEE. Upon expiration of the term of this Agreement (or any extension thereof), or earlier termination as provided herein, at COUNTY'S option, title to the Site and Facility, except as stated below, shall pass to COUNTY in "as is" condition, and LESSEE shall execute whatever documents are requested by COUNTY to evidence such passing of title. COUNTY further acknowledges and agrees that in the event COUNTY is permitted and does exercise such election, COUNTY shall take possession of the Facility and utility conduits in their then "as is" condition, without any representation or warranty by LESSEE as to their fitness for a particular purpose. For purposes of this Section 11, TITLE TO FACILITY, coaxial cable, radios, radio cabinet equipment, antennas, and other similar electronic equipment (Hereinafter "LESSEE'S Owned Facilities") shall not be a part of the Facility, and LESSEE shall retain title to LESSEE'S Owned Facilities. COUNTY may retain title to the concrete slab, fence, landscaping improvements, pole footing, utility conduits, and electrical meter.

12. **ABANDONMENT OF SITE/DISPOSITION OF PERSONAL PROPERTY:** LESSEE shall not abandon, vacate or surrender the Site at any time during the term of this Agreement and if LESSEE does abandon, or surrender said Site, any personal property belonging to LESSEE and left on the Site more than thirty (30) calendar days after such abandonment, vacation or surrender shall be deemed abandoned at the option of the COUNTY, and title to such shall pass to COUNTY. This provision shall also apply to personal property left after the termination or other expiration of this Agreement.

13. **NONINTERFERENCE:**

A. Property. LESSEE agrees not to use, nor permit those under its control, including, but not limited to, its employees, tenants, LESSEE'S invitees, agents and/or contractors, to use any portion of the Property, Site, or the Facility in any way which interferes with the non-telecommunications use of the Property, Site or Facility. Such interference shall be deemed a material breach, and LESSEE shall terminate said interference promptly upon receipt of written notice from COUNTY. In the event LESSEE fails to stop such interference promptly, this Agreement shall terminate at the option of COUNTY.

B. Telecommunications. LESSEE shall meet and comply with all non-interference rules of the Federal Communications Commission (hereinafter "FCC"). Subject to LESSEE'S rights hereunder, LESSEE shall not use, nor shall LESSEE permit its employees, invitees, agents, or any others under its control to use the Property or Site in any way which materially interferes with the operations of other telecommunications users on the Property or Site whose equipment was installed prior to the installation of LESSEE'S Facility pursuant to the Prior Agreement, nor shall LESSEE at any time after the Effective Date of this Agreement change the operations of its Facility or alter its Facility in such a manner which causes interference to COUNTY or any other users or tenants on the Property or Site as outlined in Section 4, PURPOSE AND USE. Upon receipt of written notification from COUNTY, LESSEE shall act expediently to eliminate any interference caused by its use. LESSEE acknowledges that continuing interference may cause irreparable injury to other telecommunications users. Therefore, in the event, LESSEE does not terminate said interference within forty-eight (48) hours of notice from COUNTY, unless 48 hours is an

unreasonable cure period and each party agrees to a new cure period, then such user(s) shall have the right to bring an action to enjoin such interference and collect damages from LESSEE; and COUNTY may terminate this Agreement.

C. Emergency. In the event of an emergency that threatens bodily harm and involves COUNTY in its governmental capacity and the powering down of LESSEE'S Facility is required to respond to such emergency, COUNTY may require LESSEE to power down its operations at the Site without LESSEE'S consent. COUNTY shall use its best efforts to notify LESSEE as soon as possible of said emergency and COUNTY'S intent to require LESSEE to terminate its operations. COUNTY shall cooperate with LESSEE in the restoration of use when COUNTY has determined, in COUNTY'S sole and reasonable discretion that the emergency has ended.

D. Equipment Modification. LESSEE shall obtain the written consent of COUNTY, which shall not be unreasonably withheld, conditioned, or delayed, prior to any proposed change in LESSEE'S use of the Site beyond the scope of said specifications in Exhibit "C"; including but not limited to antenna transmission, location or size of the Facility. Notwithstanding the preceding sentence, LESSEE, upon notice to COUNTY, may modify or upgrade its equipment and antennas, so long as such alterations do not increase their level of transmission beyond allowable under applicable law, change exterior location or size, or otherwise exceed the limits set forth in Section 4, PURPOSE AND USE, or in Exhibit "C" of this Agreement; without the written consent of COUNTY, which shall not be unreasonably withheld, conditioned, or delayed. LESSEE may remove its radio equipment, antennas, cabling, backup batteries, and related equipment at any time.

E. Relocation. COUNTY reserves the one-time right to reasonably designate a new location for LESSEE'S Facility and to move said Facility elsewhere on the Property, provided that COUNTY shall give LESSEE written notice of its request to relocate LESSEE'S Facility and shall bear the sole expense of said relocation. The relocation of LESSEE'S Facility shall be done in accordance with the following terms:

- (i) The work and labor to relocate LESSEE'S Facility shall be done exclusively by LESSEE or its designated agents. The relocation of LESSEE'S Facility shall not result in any interruption of the communications service provided by LESSEE from the Property. The relocation of LESSEE'S Facility shall not impair, or in any manner alter, the quality of communications service provided by LESSEE from the Site. The relocation shall include new access and utility routes as reasonably required by LESSEE'S use of the new location of LESSEE'S Facility. The relocation of LESSEE'S Facility shall be done in accordance with the terms and conditions contained in paragraphs (ii), (iii) (iv), and (v) below.
- (ii) COUNTY will exercise its right to relocate LESSEE'S Facility by delivering written notice to LESSEE. In the notice, COUNTY will propose an alternate site on the Property to which LESSEE may relocate its Facility. LESSEE will have sixty (60) calendar days from the date it receives the notice to evaluate the alternate site. If LESSEE fails to approve the alternate site within the 60-day period

or fails to request an extension of the review period in writing, then LESSEE will be deemed to have approved such proposed relocation. If LESSEE disapproves of the alternate site, then COUNTY, if practicable, may thereafter propose a new alternate site or a choice of alternate sites by notice to LESSEE in the same manner described above. LESSEE will then have the option to choose one of the new alternate sites within the 60-day period, or if none of the alternate sites enable LESSEE to continue its operations in a manner consistent with its operations at the original location of the Site, LESSEE may terminate this Agreement by providing COUNTY with 30-day written notice and any obligation of LESSEE to pay rent shall cease with the payment of the prorated portion of rental obligations up to said termination date. Any relocation site which COUNTY and LESSEE agree upon in writing is hereinafter referred to as the "Relocation Site". Within sixty (60) calendar days after LESSEE has accepted the Relocation Site, LESSEE shall submit its application for any applicable permits for the Relocation Site and pursue permits expediently until obtained. LESSEE will have a period of one hundred eighty (180) calendar days after obtaining its permits for the Relocation Site to relocate LESSEE'S Facility to the Relocation Site and cease operations at the previous Site.

- (iii) During the relocation of LESSEE'S Facility to the Relocation Site, LESSEE shall be allowed to install a temporary facility on COUNTY'S Property in a location approved by COUNTY, which approval shall not be unreasonably withheld or unreasonably conditioned. Upon completion of the Relocation Site, LESSEE shall promptly remove its temporary facility.
- (iv) Upon relocation of LESSEE'S Facility or any part thereof, to the Relocation Site, this Agreement shall be amended to show the new location. Each party hereby agrees that the Relocation Site (including the access and utility right of way) may be surveyed by a licensed surveyor at the sole cost of LESSEE and such survey shall be included in the lease amendment and become a part thereof and control in describing the Site. Except as expressly provided in this subsection, both parties hereby agree that in no event will the relocation of LESSEE'S Facility, or any part thereof, affect, alter, modify, or otherwise change any of the terms and conditions of this Agreement.
- (v) Notwithstanding the foregoing, LESSEE may terminate this Agreement upon (90) calendar days written notice to COUNTY in the event LESSEE does not wish to relocate its Facility upon COUNTY'S written request and any obligation of LESSEE to pay rent shall cease with the payment of the prorated portion of rental obligations up to said termination date

14. **UTILITY CHARGES:** LESSEE, upon obtaining the required permits and approvals, shall have the right to install and maintain under, across, and through the Property and the Site the necessary mains and ancillary equipment required to bring utility service to the Site and Facility at its sole cost and expense. All accounts for such utilities shall name LESSEE as the responsible party.

LESSEE shall be responsible for supplying and maintaining all power and utilities for the Site and the Facility. LESSEE shall pay when due all charges for utilities used by LESSEE.

15. **TAXES AND ASSESSMENTS:** This Agreement may impose a possessory interest on LESSEE and LESSEE shall pay and discharge any and all property taxes and/or assessments, including special assessments and possessory interest taxes, if any, which, due to LESSEE'S Facility may be levied upon said Property, Facility and/or Site during the term of this Agreement.

16. **MAINTENANCE AND REPAIR/GRAFFITI REMOVAL:** LESSEE agrees at its sole expense to keep in good working order and repair, reasonable wear and tear excepted, the Site and Facility, as well as repair any damage caused by LESSEE to the Site. If LESSEE delays in making any repairs necessary to keep the Site and the Facility in good repair and working order COUNTY shall have the right, but not the obligation, to make such repairs. LESSEE shall reimburse COUNTY for such amounts within thirty (30) calendar days of receipt of a written invoice for the actual cost of such repairs. For the avoidance of doubt, notwithstanding the foregoing, COUNTY shall not have any responsibility to repair or maintain the Site or Facility. LESSEE shall, within twenty (20) calendar days after receipt of notice from COUNTY, perform maintenance and repair and remove or have removed graffiti from the Facility and Site at its sole expense.

17. **ASSIGNMENT/SUBLEASE/HYPOTHECATION:** LESSEE shall not assign, license, sublease, or otherwise transfer, directly or indirectly, whether by operation of law or otherwise, the Site or any part thereof, or any right or privilege appurtenant thereto, or any right or obligation hereunder, without COUNTY'S prior written consent, which shall not be unreasonably withheld, conditioned, or delayed.

LESSEE shall not mortgage, pledge, hypothecate, or encumber the Property, the Site, or any interest therein, including without limitation its leasehold; nor shall LESSEE mortgage, pledge, hypothecate, or encumber the Facility or any other improvements placed upon the Property or Site, whether such improvement is placed thereon before or after the Effective Date of this Agreement.

Any attempt to assign, license, sublease, mortgage, pledge, hypothecate, or in any other way encumber any of LESSEE'S rights or obligations under this Agreement, or LESSEE'S interest in the Site, without COUNTY'S prior written consent, shall be void and without legal effect.

Notwithstanding the above, upon written notification to COUNTY, LESSEE may assign this Agreement to any entity under common legal control with LESSEE, or to an entity (i) that purchases all or substantially all of LESSEE'S assets in the FCC market in which the Property is located; provided, however, that LESSEE shall remain surety for the performance of any such assignee, such that such assignment shall not relieve LESSEE of LESSEE'S obligations hereunder, or (ii) into which LESSEE may be merged, provided that the surviving entity in such merger agrees

in writing to be bound to all of the terms and conditions of this Agreement and has the capabilities and financial resources to comply herewith.

18. **SUCCESSORS IN INTEREST:** This Agreement and the covenants contained herein shall be binding upon and inure to the benefit of the respective parties and to any organization into which LESSEE may be merged.

19. **INDEMNIFICATION:** LESSEE agrees to indemnify, defend (with counsel reasonably approved by COUNTY) and hold harmless COUNTY and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of this Agreement from any cause whatsoever, including the acts, errors or omissions of any person or entity and for any costs or expenses (including but not limited to attorneys' fees) incurred by COUNTY on account of any claim except where such indemnification is prohibited by law. LESSEE'S indemnification obligation applies to COUNTY'S active as well as passive negligence but does not apply to COUNTY'S sole negligence or willful misconduct.

NOTIFICATION OF ACCIDENTS AND SURVIVAL OF INDEMNIFICATION PROVISIONS

LESSEE shall notify COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement. The indemnification provisions in this Agreement shall survive any expiration or termination of this Agreement.

20. **INSURANCE:** LESSEE shall procure and maintain for the duration of the Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the LESSEE'S operation and use of the leased premises. The cost of such insurance shall be borne by the LESSEE.

A. **Minimum Scope of Insurance**

Coverage shall be at least as broad as:

1. **Commercial General Liability (CGL):** Insurance Services Office Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than \$2,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project and/or location (ISO CG 25 03 or 25 04 or equivalent forms) or the general aggregate limit shall be twice the required occurrence limit.
2. **Workers' Compensation:** Insurance as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease. (This applies to LESSEES with employees).
3. **Commercial Automobile Liability:** Insurance Services Office Form Number CA 0001 covering, Code 1 (any auto), or if LESSEE has no owned autos, Code 8 (hired)

and 9 (non-owned), with limit no less than \$1,000,000 per accident for bodily injury and property damage.

4. Property Insurance: LESSEE shall maintain “all risks” property insurance protecting LESSEE’s personal property including loss to any LESSEE improvements or betterments, at full replacement cost with no coinsurance penalty provision

LESSEE’s provisioning of insurance as required herein shall not diminish or limit the liability of the LESSEE under this Agreement.

B. Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

1. **Additional Insured** – The COUNTY, its officers, officials, employees, and volunteers are to be included as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the LESSEE including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the LESSEE’S insurance at (least as broad as ISO Form CG 20 10 or carrier equivalent forms).
2. **Primary Coverage** – For any claims related to LESSEE’s operations, negligent acts or willful misconduct related to this contract, the LESSEE’S insurance coverage shall be primary insurance coverage at least as broad as ISO CG 20 01 04 13 (or carrier equivalent) as respects the COUNTY, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the COUNTY, its officers, officials, employees, or volunteers shall be excess of the LESSEE’S insurance and shall not contribute with it.
3. **Notice of Cancellation** – Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the COUNTY.
4. **Waiver of Subrogation Rights** – LESSEE’s commercial general liability, workers’ compensation, and commercial automobile liability policies hereby grants to COUNTY a waiver of any right to subrogation which any insurer of said LESSEE may acquire against the COUNTY by virtue of the payment of any loss under such insurance. LESSEE agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation, but this provision applies regardless of whether or not the COUNTY has received a waiver of subrogation endorsement from the insurer.
5. **Deductibles and Self-Insured Retention** – Any deductibles or self-insured retentions (if any) maintained by LESSEE will be reasonable for the telecommunication industry and the sole responsibility of LESSEE.
6. **Acceptability of Insurers** – Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum A.M. Best’s Insurance Guide rating of “A- VII”.

7. **Verification of Coverage** – LESSEE shall furnish the COUNTY with original Certificates of Insurance, including all required amendatory endorsements. However, failure to obtain the required documents prior to the work beginning shall not waive the LESSEE’S obligation to provide them.
8. **Failure to Procure Coverage** – In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, COUNTY has the right but not the obligation or duty to terminate the Agreement. Maintenance of required insurance coverage is a material element of the Agreement and failure to maintain or renew such coverage or to provide evidence of renewal may be treated by COUNTY as a material breach of contract.
9. **Special Risks or Circumstances** – COUNTY reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

Any change to the insurance requirements herein whether requiring additional types of insurance coverage or higher coverage limits must be mutually agreed upon and made by amendment to this Agreement. LESSEE agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of COUNTY to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of COUNTY.

10. **Mutual Waiver of Subrogation** - COUNTY and LESSEE hereby mutually release each other (and their successors or assigns) from liability and waive all right of recovery against the other for any loss or damage covered by their respective first party property insurance policies for all perils insured thereunder or self-insured if applicable. In the event of an insured loss, neither party’s insurance company shall have a subrogated claim against the other party.

21. **NONDISCRIMINATION**: LESSEE shall comply with all applicable COUNTY laws, rules, and regulations regarding nondiscrimination as such are found in the Santa Barbara Code and as such may from time to time be amended. These provisions are incorporated herein as if they were fully set forth.

Noncompliance with provisions of this section shall constitute a material breach of this Agreement. COUNTY shall notify LESSEE in writing of a breach of this Section 21, **NONDISCRIMINATION**, and LESSEE shall have thirty (30) calendar days upon receipt of written notification to cure such breach. In the event LESSEE does not cure a breach after the 30-day cure period, COUNTY, in addition to any other remedies provided by law, shall have the right to terminate this Agreement and the interest hereby created without liability therefore.

22. **ENVIRONMENTAL IMPAIRMENT**: LESSEE shall comply with all applicable laws, regulations, rules, and orders, including without limitation those relating to construction,

grading, signing, health, safety, noise, environmental protection, waste disposal, water, and air quality, and shall furnish satisfactory evidence of compliance upon request of COUNTY.

Should any discharge, leakage, spillage, emission, or pollution of any type occur upon or from the Property, Facility, or Site caused by LESSEE'S use and occupancy, except for any pre-existing contamination, unless LESSEE is responsible for any pre-existing contamination, LESSEE shall clean all property affected to the satisfaction of COUNTY and any governmental body having jurisdiction therefore. LESSEE shall indemnify, hold harmless, and defend COUNTY from and against all liability, claim, cost, and expense (including without limitation any fines, penalties, judgments, litigation costs, attorney's fees, and consulting engineering and construction costs) incurred by COUNTY as a result of LESSEE'S breach of this section, or as a result of any such discharge, leakage, spillage, emission or pollution due to LESSEE'S use and occupancy, regardless of whether such liability, cost or expense arises during or after the term of this Agreement, except to the extent caused by the negligence or willful misconduct of COUNTY, breach of this Agreement by COUNTY, or violation of any law by COUNTY.

Immediately upon any changes or modification of LESSEE'S Facility, LESSEE shall perform testing with LESSEE'S Facility operating at maximum output to measure Radiofrequency ("RF") levels in and around the area on the Property that is within a three hundred feet (300') radius from LESSEE'S Site. The results of the RF testing shall be furnished by the LESSEE to the COUNTY. If LESSEE makes any changes or modifications to its antennae or radio equipment (other than like-for-like replacement of antennae or radio equipment), then LESSEE shall immediately upon completion of such modifications and LESSEE'S receipt of COUNTY'S written request therefore, perform testing in the same manner described above to measure RF levels. LESSEE shall be responsible for the RF safety monitoring of all persons in the vicinity of the Site and Facility to ensure that those persons are not exposed to RF levels that exceed the maximum exposure limits determined by the FCC.

In the event any COUNTY employees or third persons contracted by COUNTY are working on the Site within the area of the Facility that is marked off as a hazard zone, which zone shall be defined as twenty feet (20') in front of any antennas installed and ten feet (10') behind any antennas and ten feet (10') from each side of the antennas, then COUNTY shall have the right to require LESSEE to temporarily shut down the antenna sector while such work is being performed inside the hazard area adjacent to the subject antennas. In the event, COUNTY requests a temporary shutdown under this paragraph, COUNTY shall provide LESSEE with at least 24 hours prior notice. COUNTY shall use its best reasonable efforts to minimize its requests under this paragraph and to minimize the time period LESSEE'S Facility must remain shut down.

23. **TOXICS:** LESSEE shall not manufacture or generate hazardous wastes on or in the Facility, Site, or surrounding property unless specifically authorized by this Agreement. LESSEE shall be fully responsible for any hazardous wastes, substances, or materials as defined under federal, state, or local law, regulation, or ordinance that are manufactured, generated, used, placed, disposed, stored, or transported by LESSEE, its agents, employees, or designees on or in the Facility, the Site, or surrounding property during the term of this Agreement and shall comply with and be bound by all applicable provisions of such federal, state, or local law, regulation, or ordinance dealing with such wastes, substances, or materials. LESSEE shall notify COUNTY and the appropriate governmental emergency response agency(ies) immediately in the event of any release or threatened release of any such wastes, substances, or materials.

24. **COMPLIANCE WITH THE LAW:** LESSEE shall comply with all local, county, state, and federal laws, rules, and regulations affecting LESSEE'S use of the Site, Facility, or Property. In particular, LESSEE'S occupancy shall at all times be subject to County rules, regulations, and restrictions per Santa Barbara County Code.

25. **NOTICES:** Any notice to be given to the parties shall be in writing and shall be served, either personally or by mail, to the following:

COUNTY: County of Santa Barbara
General Services Department
260 N. San Antonio Road
Santa Barbara, CA 93110
Attn: Real Property Manager
realproperty@countyofsb.org
(805) 568-3070

AND: County of Santa Barbara
Community Services Department
Parks Division
123 E. Anapamu Street, 2nd Floor
Santa Barbara, CA 93101
Attn: Parks Manager
contact@sbparks.org
(805) 568-2460

LESSEE: T-Mobile USA, Inc.
12920 SE 38TH Street
Bellevue, WA 98006
Attention: Lease Compliance
Site No. SV80041A
(877) 373-0093

or to the parties at such other place as may be designated in writing. Such notices shall be served by depositing them addressed as set out above, postage prepaid, in the U.S. mail, by reliable overnight courier, or by personal delivery. The date of mailing, or in the event of personal delivery, the date of delivery or refusal of delivery shall constitute the date of service. The telephone numbers included in this Section 25 are for reference only and a phone call does not constitute official notice when such notice is required by this Agreement.

26. **DEFAULT:** Except as otherwise required herein, should LESSEE at any time be in material default hereunder with respect to any covenant contained herein, COUNTY shall give

written notice to LESSEE specifying the particulars of the default and LESSEE shall promptly commence remedial action to cure the default. Should such default continue uncured for a period of sixty (60) calendar days from receipt of such notice, this Agreement shall terminate at the option of the COUNTY; unless the cure of such default shall reasonably take more than sixty (60) calendar days in which case LESSEE shall notify COUNTY and proceed with all due speed to cure the default and shall have a reasonable time to effectuate its cure. Reciprocally, except as otherwise required herein, if COUNTY should at any time be in material default hereunder with respect to any covenant contained herein, LESSEE shall give notice to COUNTY specifying the particulars of the default and COUNTY shall promptly commence remedial action to cure the default. Should such default continue uncured for a period of sixty (60) calendar days from receipt of such notice, LESSEE shall have the option to terminate this Agreement by providing written notification to COUNTY; unless, however, the cure of such default shall reasonably take more than sixty (60) calendar days in which case COUNTY shall notify LESSEE and proceed with all due speed to cure the default and shall have a reasonable time effectuate its cure.

27. **REMEDIES:** In the event of a default or breach, either party may exercise any right or remedy at law or in equity which such party may have by reason of such default or breach including but not limited to the following:

A. The non-defaulting party may waive the default or breach in accordance with Section 28, WAIVER, herein below.

B. The non-defaulting party may maintain this Agreement in full force and effect and recover whatever monetary loss(es) may have resulted from such default or breach.

C. Where LESSEE is the non-defaulting party, LESSEE may terminate the Agreement and surrender use of the Site.

D. Where COUNTY is the non-defaulting party, COUNTY may terminate the Agreement and LESSEE shall vacate the Site within (30) calendar days of written notice from COUNTY.

28. **WAIVER:** It is understood and agreed that any waiver, express or implied of any term of this Agreement shall not be, nor construed to be a waiver of any subsequent breach of a like kind or of any other provision of this Agreement.

29. **AMENDMENTS:** This Agreement may only be amended by written consent of the parties and such changes shall be binding upon the heirs or successors of the parties.

30. **TERMINATION:** This Agreement shall terminate and all rights of LESSEE shall cease and LESSEE shall quietly and peacefully deliver to COUNTY, possession and interest in the Site:

A. Upon expiration or earlier termination of the Agreement as provided in Section 5, TERM or Section 27, REMEDIES; or

B. As provided in Section 31, DESTRUCTION; or

C. Upon the failure of LESSEE to satisfy, observe, or perform any of the covenants, conditions, or reservations set forth in this Agreement and the expiration of the cure period as provided in Section 26, DEFAULT; or

D. In the event LESSEE is found to be in non-compliance with Exhibit "C" of this Agreement and such non-compliance is not resolved in a timely fashion as provided in Section 26, DEFAULT; or

E. In the event LESSEE reasonably and in good faith determines that the Site is no longer economically or technologically feasible for its intended use, provided that LESSEE provides COUNTY with a reasonable basis in writing for its determination. If such determination is acceptable to COUNTY, then such termination for technological reasons shall be effective twelve (12) months from the date upon COUNTY'S receipt of written notice which shall be in writing and delivered by certified mail, return receipt requested. Notwithstanding the aforementioned, LESSEE shall have the right to terminate this Agreement with (180) calendar days' written notice to COUNTY in the event of any governmental takeback of licenses or permits that would eliminate LESSEE'S ability to use the Site unless the revocation of licenses or permits is the fault of LESSEE.

31. **DESTRUCTION:** If the Facility or the Site is partially or totally destroyed by fire or other casualty, LESSEE may rebuild its Site and Facility in the original location of the Site without COUNTY'S consent. If, however, LESSEE selects a new location on the Property to rebuild the Site, COUNTY'S consent to the new location is required and the new location shall not interfere with the COUNTY'S intended use of the Property at the time that such destruction occurs. If LESSEE rebuilds its Site in a new location, then this Agreement shall be amended to show the new location. If the Site or Facility is not operational or accessible due to destruction (in whole or in part), LESSEE shall receive an abatement of Rent for that period of time. In addition, LESSEE may terminate the Agreement by written notice to the COUNTY and any obligation of LESSEE to pay rent shall cease with the payment of the prorated portion of rental obligations up to said termination date.

32. **HOLDING OVER:** Should LESSEE occupy the Site after the expiration date of this Agreement or any extension thereof, with the consent of the COUNTY, expressed or implied, such possession shall be construed to be a tenancy from month to month and LESSEE shall pay COUNTY for such tenancy at the monthly rate in effect on the expiration date.

33. **AGENCY DISCLOSURE:** LESSEE acknowledges that the General Services Department of the COUNTY is the agent for the COUNTY exclusively, and is neither the agent for LESSEE nor a dual agent in this transaction.

34. **SURRENDER OF PREMISES:** Upon expiration or termination of this Agreement, LESSEE shall vacate and surrender possession of, and all claim to the Site, leaving it in good condition, except for ordinary wear and tear.

Subject to Section 11, TITLE TO FACILITY, LESSEE shall remove LESSEE'S Owned Facilities within sixty (60) calendar days prior to the date of such expiration or termination and LESSEE shall retain title to LESSEE'S owned Facilities. Alternatively, upon such expiration or termination, COUNTY may request in writing at least ninety (90) calendar days prior to such expiration or termination the removal of the Facility, in whole or in part, and if COUNTY so requests, LESSEE shall remove or have said Facility (including LESSEE'S Owned Facilities) or such lesser portions as COUNTY may request removed as soon as is practicable, at LESSEE'S sole

cost. Such request for the removal of the Facility shall be made in writing at least ninety (90) calendar days prior to such expiration or termination.

Upon completion of LESSEE'S removal of its Facility, LESSEE shall obtain COUNTY'S good-faith approval that said Facility has been removed and the Site restored to good condition. In order to ensure LESSEE'S timely and adequate removal of its Facility under the terms of this Section 34, SURRENDER OF PREMISES, COUNTY may require through the Land Use Permit(s) that LESSEE post a performance bond which COUNTY may utilize to undertake the removal of LESSEE'S Facility in the event LESSEE does not timely and adequately comply with the provisions of this Section 34.

35. **CAPTIONS:** The title or headings to the sections of this Agreement are not a part of this Agreement, and shall have no effect upon the construction or interpretation of any part hereof.

36. **SEVERABILITY:** If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal, or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality, or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.

37. **CERTIFICATION OF SIGNATORY:** The signatories of this Agreement and each of them represent and warrant that they are authorized to execute this Agreement and that no additional signatures are required to bind COUNTY and LESSEE to its terms and conditions or to carry out duties contemplated herein.

38. **PERMITTED PERSONNEL:** LESSEE shall be solely liable for all actions of its agents, employees, contractors, subcontractors, and any others it permits on the Property or Site and shall be responsible for any and all damages resulting from their actions.

39. **FIRE DAMAGE:** LESSEE agrees to hold COUNTY harmless and indemnify COUNTY from any fire damage or injury to COUNTY, other persons, or to property resulting from any fire caused by LESSEE, its agents, employees, or permittees, except to the extent caused by the negligence or willful misconduct of COUNTY, breach of this Agreement by COUNTY, or violation of any law by COUNTY

40. **CONDEMNATION:** In the event the Property or Site or any part thereof is taken by condemnation, eminent domain, or any such proceeding that precludes access to or use of the Site each party shall have the right to pursue its own claim.

In the event possession of the Site or partial possession of the Site is obtained by a public agency or other agency empowered to take by eminent domain, in a manner which precludes LESSEE'S intended use, this Agreement shall terminate as of the effective date of possession and upon such termination, any obligation of LESSEE to pay rent shall cease with the payment of the prorated portion of rental obligations up to said termination date. Any prepaid rent shall be returned to LESSEE from the effective date of possession.

In the event of a partial taking, this Agreement may continue at LESSEE'S option, however, Rent hereunder may be reduced proportionately.

41. **ENTIRE AGREEMENT:** This Agreement, including all attachments hereto, reflects the entire agreement of the parties hereto with respect to the subject matter hereof, and the parties to this Agreement intend that their negotiations, conversations, and statements made prior to execution of this Agreement are fully integrated and expressed herein, and no such negotiations, conversations, and statements shall be deemed to create rights or obligations other than those stated herein.

42. **CONSTRUCTION:** The parties to this Agreement agree that each party and its respective counsel have reviewed and approved this Agreement to the extent that each party in its sole discretion has desired and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in the interpretation of this Agreement. The terms and conditions of this Agreement embody the parties' mutual intent, and this Agreement shall not be construed more liberally in favor of, nor more strictly against any party hereto.

43. **ELECTRONICALLY/ FACSIMILE TRANSMITTED SIGNATURES:** In the event that the parties hereto utilize electronically transmitted documents which include electronically generated signatures, such documents shall be accepted as if they bore original signatures provided that documents bearing the electronic signature's name and title are provided directly below the electronic signature.

In the event that the parties hereto utilize facsimile transmitted documents transmitted documents which include signatures, such documents shall be accepted as if they bore original signatures provided that documents bearing original signatures are provided within seventy-two (72) hours of transmission.

44. **EXECUTION IN COUNTERPARTS:** This Agreement may be executed in any number of counterparts and each such counterpart shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the parties shall preserve undestroyed, shall together constitute one and the same instrument.

[COUNTY AND LESSEE SIGNATURES ON THE FOLLOWING PAGE]

Project: T-Mobile West LLC
APN: 067-100-027
Site#: SV80041A
Folio: 003368
Agent: DH

IN WITNESS WHEREOF, COUNTY and LESSEE have executed this Agreement by the respective authorized officers as set forth below to be effective as of the date executed by COUNTY (“Effective Date”).

“COUNTY”
COUNTY OF SANTA BARBARA

ATTEST:
MONA MIYASATO
CLERK OF THE BOARD

By: _____
Bob Nelson, Chair
Board of Supervisors

By: _____
Sheila De La Guerra
Deputy Clerk

Date: _____

APPROVED AS TO FORM:
RACHEL VAN MULLEM
COUNTY COUNSEL

APPROVED AS TO ACCOUNTING FORM:
BETSY M. SCHAFFER, C.P.A.
AUDITOR-CONTROLLER

Signed by:
By: Tyler Sprague
Deputy County Counsel

Signed by:
By: Eddie [Signature]
Deputy Auditor-Controller

APPROVED AS TO FORM:
CEO/RISK MANAGEMENT

APPROVED
PARKS DIVISION

Signed by:
By: Marisa Kahn
Marisa Kahn, Risk Manager

DocuSigned by:
By: Jeffrey Lindgren
Jeffrey Lindgren, Deputy Director
Community Services Department

Project: T-Mobile West LLC
APN: 128-085-042
Site#: SV80041A
Folio: 003368
Agent: DH

IN WITNESS WHEREOF, COUNTY and LESSEE have executed this Agreement by the respective authorized officers as set forth below to be effective January 1, 2026 (“Effective Date”).

“LESSEE”
T-Mobile West LLC, a Delaware Limited Liability Company

DocuSigned by:
Luis Reyes
By: 5391871B77224C2

Name: Luis Reyes

Title: Sr Director, Network Engineering & Ops • Field Technology

Date: 5/21/2026



EXHIBIT 'A' PROPERTY

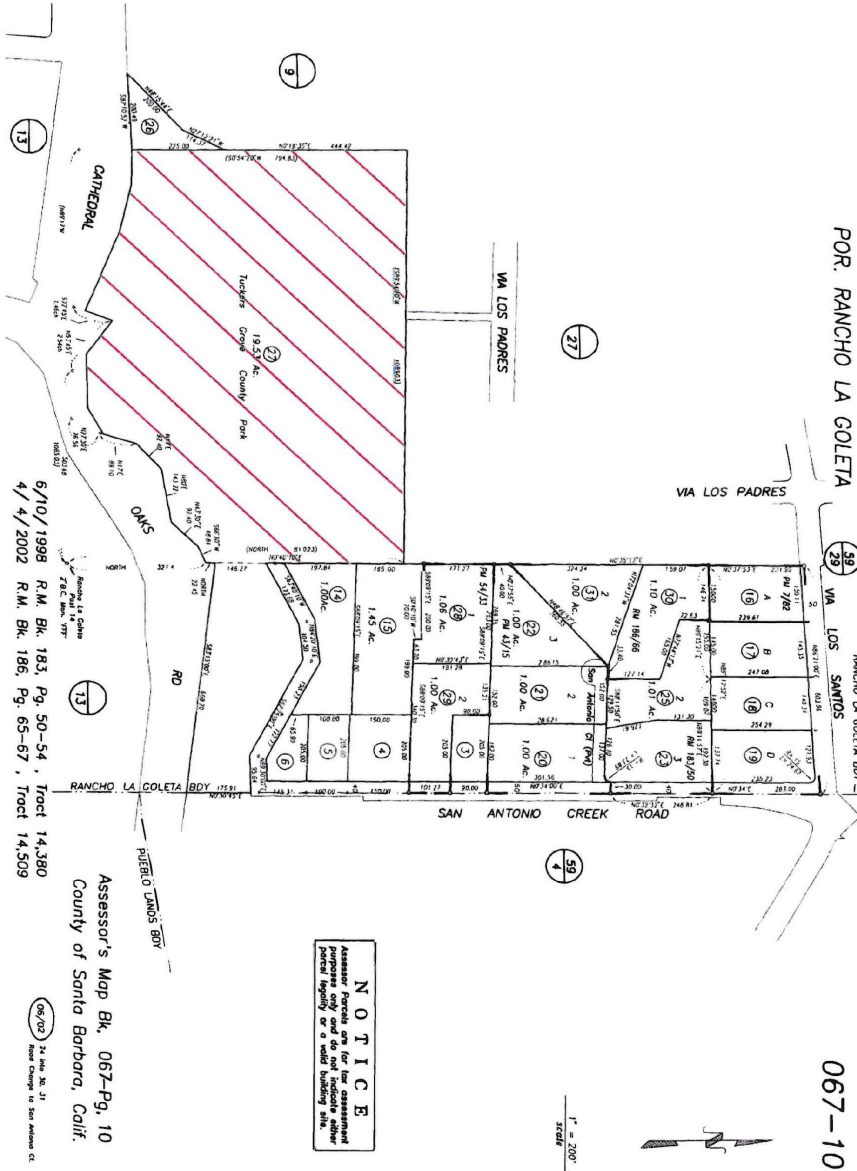
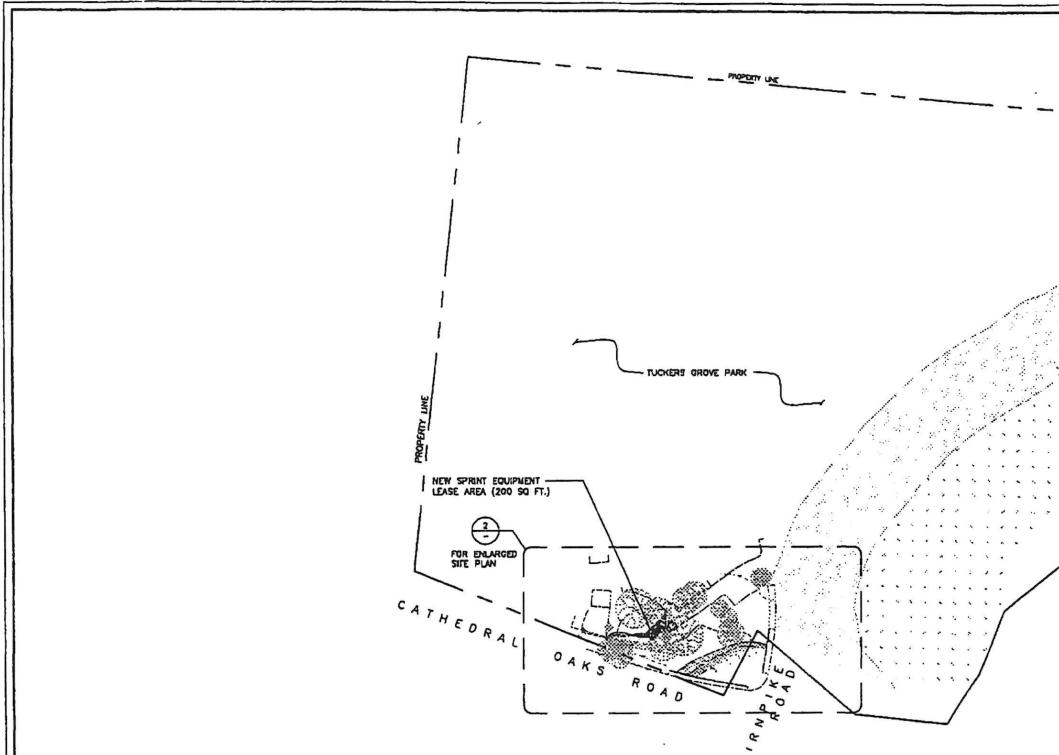


EXHIBIT "B" SITE



SITE PLAN

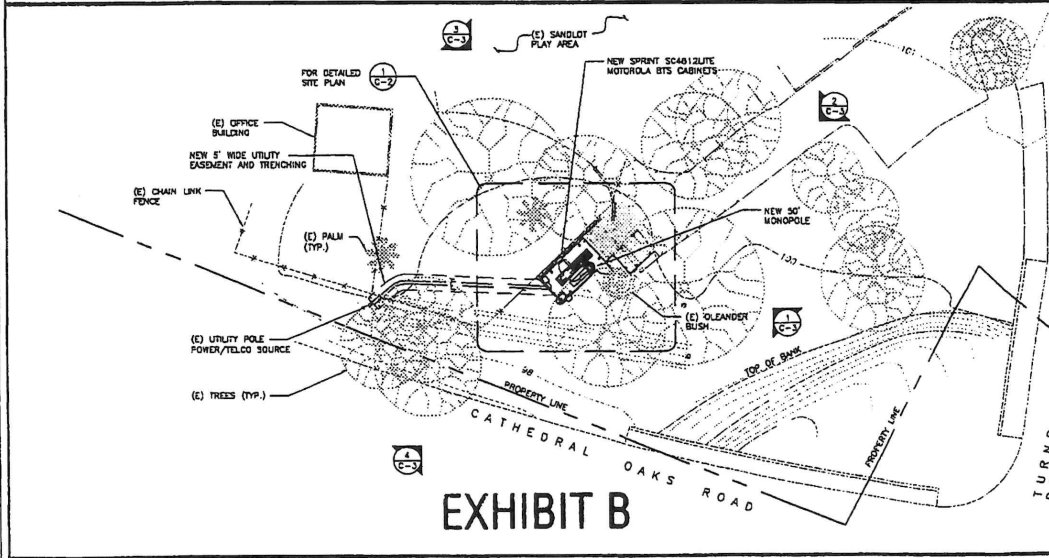


EXHIBIT B

ENLARGED SITE PLAN

ROOFING & WATERPROOFING NOTES

1. CONTRACTOR SHALL CONTACT THE BUILDING OWNER TO DETERMINE IF ROOF IS EXISTING. CONTRACTOR SHALL GUARANTEE THAT ANY AND ALL NEW ROOFING WORK MEETS THE SPECIFICATION OF ANY EXISTING ROOFING WARRANTIES SUCH THAT THE WARRANTY IS NOT MADE INVALID AS A RESULT OF THIS WORK. IF IT IS DETERMINED THAT THE ARCHITECT'S DRAWINGS IS CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND THE CLIENT PROJECT MANAGER IN WRITING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE ORIGINAL ROOF MANUFACTURER'S SPECIFICATIONS.
2. CONTRACTOR SHALL USE METHODS AND MATERIALS SIMILAR AND COMPATIBLE WITH EXISTING MATERIALS & CONDITIONS FOR ROOF PATCHING, NEW PENETRATIONS, ETC.
3. THE CONTRACTOR SHALL PROPERLY SEAL ALL NEW ROOF & BUILDING ENVELOPE PENETRATIONS SUCH THAT THE INTEGRITY OF THE ORIGINAL BUILDING ASSEMBLY AND ALL APPLICABLE WARRANTIES ARE MAINTAINED.
4. IF IT BECAME NECESSARY TO REMOVE EXISTING FINISHED AND/OR MATERIALS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONSTRUCTING FINISHES AND MATERIALS TO ORIGINAL CONDITIONS. CONTRACTOR SHALL MAINTAIN THE ORIGINAL COLORS, TEXTURES & FINISHES UNLESS SPECIFICALLY NOTED TO THE CONTRARY OR APPROVED FINISHES CONSTRUCTION MANAGER IN ADVANCE.
5. AT THE CLIENT CONSTRUCTION MANAGER'S DISCRETION, THE CONTRACTOR SHALL PROVIDE ROOF TOP WALKWAYS TO ALL NEW EQUIPMENT INCLUDING ANTENNAS, AND SETS UNITS AND ALONG COAX CABLE ROUTING ON CONVENTIONAL WALKWAYS. THE WALK PADS SHALL BE THICK ENOUGH AS MANUFACTURED BY THE ORIGINAL OR APPROVED SYSTEMS SUCH AS SURE-STEP. WALK PADS WILL REQUIRE A SPECIFIC PRODUCT AS NOTED ON PLANS OR AS REQUIRED BY NOTES 1 & 2 ABOVE.

PENETRATION AT FIRE RATED ASSEMBLIES NOTES

1. AT THE CLIENT PROJECT MANAGER'S DIRECTION, THE CONTRACTOR SHALL PROVIDE "WALK PADS" INSTALLED PER MANUFACTURER'S LATEST INSTALLATION SPECIFICATIONS.
2. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED TO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.

GENERAL NOTES

1. THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) SPECIFICATIONS FOR THE CONTRACT DOCUMENTS FOR CONSTRUCTION ARE INCLUDED IN THESE SPECIFICATIONS AS IF COMPLETELY REPRODUCED HEREIN.
2. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATION.
3. THE FACILITY IS AN UNLICENSED MOBILE TELECOMMUNICATIONS SITE AND IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.
4. PRIOR TO THE SUBMISSION OF THIS CONTRACTOR PARTICIPATING SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL FIELD CONDITIONS AFFECTING THE PROPOSED PROJECT INCLUDING DETERMINATION OF THE EXISTING AND PROPOSED CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DISCREPANCIES FOUND. THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND THE PROJECT ENGINEER IN WRITING IN THE EVENT OF DISCREPANCIES. THE CONTRACTOR SHALL INCLUDE THE BEST COPY OF EXISTING WORK IN THE BID UNLESS SPECIFICALLY DIRECTED OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY COLOR MISMATCH OR INCONSISTENCY AFTER THE START OF THE CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER AND SHALL INCLUDE ANY EXPENSES TO FIX THE SITUATION. THE MEANS OF CORRECTING ANY ERROR SHALL FIRST BE APPROVED BY THE PROJECT ENGINEER.
5. THE CONTRACTOR SHALL INCLUDE IN HIS OR HER BID ALL MATERIALS, EQUIPMENT, APPURTENANCES & LABOR NECESSARY TO COMPLETE THE WORK AS INDICATED OR IMPLIED BY THESE DRAWINGS.
6. THE CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION WHILE ANY SUB-CONTRACTORS OR WORKMEN ARE IN THE BID AND SHALL SUPERVISE AND DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
7. WORKMANSHIP THROUGHOUT SHALL BE OF THE BEST QUALITY OF THE TRADE. ALL WORK SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REQUIREMENT STANDARDS FOR QUALITY AND PROFESSIONAL CONSTRUCTION PRACTICE:
 - NCA NATIONAL ROOFING CONTRACTORS ASSOCIATION
 - IFMA INTERNATIONAL CENTER FOR MOBILE TELECOMMUNICATIONS FACILITIES
 - SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
 - IAI INTERNATIONAL CENTER FOR INTERIORS
 - ITIP INTERNATIONAL INSTITUTE FOR LATH AND PLASTER
8. INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED. ON WHERE LOCAL CODES OR REGULATIONS PRECEDENCE.
9. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL OBEY ALL NOTICES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES, REGULATIONS, LAWS AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND OTHER APPLICABLE REGULATORY SAFETY CODES REQUIREMENTS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL MAINTAIN ALL FACILITY, EQUIPMENT AND/OR IMPROVED MATERIALS, DAMAGED GOODS AND/OR FACILITY WORKMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE AND ACCEPTED UNDER THIS CONTRACT, UNLESS NOTED OTHERWISE IN THE

CONTRACT BETWEEN THE OWNER AND CONTRACTOR. (EXCEPTION: THE ROOFING SUBCONTRACTOR SHALL FURNISH A MAINTENANCE AGREEMENT FOR ALL WORK DONE COVERED BY THE EXISTING CONTRACTOR, TO BE IN EFFECT FOR A PERIOD OF TWO (2) YEARS STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT. THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER AND THE CONTRACTOR.

11. THE GENERAL CONTRACTOR MUST PERFORM WORK DURING PROPERTY OWNER'S PREFERRED HOURS TO AVOID EQUIPMENT OF NORMAL ACTIVITY.
12. ALL EXPOSED METAL SHEET SHALL BE HOT-DIPPED GALVANIZED.
13. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 10A OR 10ABC WITHIN 10 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA CONSTRUCTION.
14. THE GOVERNING AGENCIES CODE AUTHORITIES AND BUILDING INSPECTORS SHALL PROVIDE THE MINIMUM STANDARDS FOR CONSTRUCTION INCLUDING MATERIALS AND FINISHES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PROVIDING ALL NECESSARY PERMITS AND APPROVALS. MEETING THE REQUIREMENTS OF ALL GOVERNING AGENCIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
15. PRIOR TO STARTING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK.
16. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY. AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.
17. IF IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS, THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE JOB SITE FOR THE PURPOSES OF DOCUMENTING ALL AS-BUILT CHANGES. THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL CHANGES TO THE ORIGINAL PLANS AND SHALL MAINTAIN ACCESS TO ALL ORIGINAL DRAWINGS TO THE ENGINEER AND THE LANDOWNER/OWNER AT THE CONCLUSION OF THE PROJECT.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE FROM THE START TO THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AT ALL TIMES FOR THE LANDOWNER/OWNER PERSONNEL.

CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY POWER, WATER AND TOILET FACILITIES.

19. ALL CONSTRUCTION PHASES OF THE PROJECT SHALL CONFORM TO THE CURRENT ORDINANCES, RULES AND ALL OTHER GOVERNING CODES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE OR PROVIDE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
21. THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK. USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS, HE IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK.
22. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL NECESSARY PERMITS AND APPROVALS.
23. THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHAL APPROVED MATERIAL TO FULFILL PENETRATIONS THROUGH THE FIRE RATED ASSEMBLIES.
24. IN CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.
25. WHERE SPECIFIED MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
26. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
27. ALL DEBRIS AND REFUSE IS TO BE REMOVED FROM THE PROJECT DAILY. REFUSE SHALL BE LEFT IN A CLEAN/NEAT CONDITION AT ALL TIMES.
28. CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF WORK PROCESSES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
29. THE EMPLOYER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF WORK PROCESSES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
30. CONTRACTORS SHALL BE SOLELY RESPONSIBLE TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
31. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS FOR THE FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. ANY DISCREPANCY SHALL BE IMMEDIATELY REPORTED TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY THE SUBCONTRACTORS.
32. IF IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE, THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONNECTION WITH THE EXECUTION OF THE WORK. GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY

OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS, PRIOR TO STARTING WORK.

33. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN WORK, SHALL BE PROTECTED AT ALL TIMES AND WHICH WILL NOT INTERFERE WITH THE EXECUTION OF WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
34. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ENGINEER. UNAUTHORIZED CHANGES TO THESE PLANS SHALL BE AT THE CONTRACTOR'S RISK AND WITHOUT THE CONTRACTOR'S LIABILITY.
35. ANY REFERENCES TO THE WORKS APPROVED, OR APPROVAL IN THESE DRAWINGS SHALL BE DEEMED TO REFER TO THE CONTRACTOR'S AND/OR HIS SUBCONTRACTOR'S OR LABOR (SPECIFIED).
36. A PRE-CONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM APPLICABLE AGENCIES SHALL BE HELD ON THE JOB AT LEAST ONE (1) WEEK PRIOR TO BEGINNING CONSTRUCTION.
37. DIMENSIONS ARE NOT TO BE SCALE UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGNOSTIC PURPOSES ONLY UNLESS NOTED OTHERWISE. CONTRACTOR SHALL PROVIDE FIELD MEASUREMENTS AS NECESSARY TO COMPLETE ALL WORK AND THE NATIONAL CONTRACTORS SOCIETY OF WORK SHALL INCLUDE FURNISHING THE NECESSARY EQUIPMENT AND MATERIALS INCLUDING ALL NECESSARY TOOLS, EQUIPMENT, AND MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EQUIPMENT INCLUDING THAT WHICH IS NOT SPECIFICALLY LISTED IN THESE DRAWINGS. DIMENSIONS TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS.
38. DETAILS INCLUDING HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE LOCAL GOVERNING AGENCY.

SITE PREPARATION

1. THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS THAT MIGHT DAMAGE THE FOOTING OF THE STRUCTURE.
2. BACKFILL ALL TRENCHES WITH CLEAN, STERILE SOIL, HAVING A SAND EQUIVALENT OF 90% OR GREATER. BACKFILL ALL HIGH-LAYERS, INCLUDING CONDUIT AND PROPERLY COMPACTED. ADOPTED DRAINAGE SHALL BE PROVIDED TO THE NEAREST DRAINAGE.
3. ALL FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL, OR APPROVED COMPACTED FILL. FOOTINGS SHALL EXTEND INTO SOIL DEPTHS AS INDICATED BY PLANS.
4. SHOULD ANY LOOSE-FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER UNEXPECTED CONDITIONS BE ENCOUNTERED DURING THE EXECUTION FOR FOUNDATION CONSTRUCTION, THE CONTRACTOR SHALL BE NOTIFIED AND ALL NECESSARY CORRECTIVE ACTION SHALL BE IMMEDIATELY TAKEN.
5. WITHIN AN AREA OF 10 FEET BEYOND THE BUILDING LIMITS, EXCAVATE A MINIMUM OF 4" OF CEMENT SAND REMOVE ALL ORGANICS, PAVERMENTS, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE MATERIAL.
6. THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY PROBING OR TESTING TO CHECK FOR TRENCHES OF SOFT OR UNSTABLE MATERIAL. EXCAVATE UNDESIRABLE SOIL AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
7. PROOF ROOF THE SURFACE OF THE EXPOSED SUBGRADE WITH A LOADED TANKING MASS DUMP TRUCK, REMOVE ALL SOILS WHICH PUMP OR DO NOT COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION.
8. ANY STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ERECTION OF BRACING INCLUDING ALL NECESSARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. THE ENGINEER IS NOT RESPONSIBLE FOR COMPLICATIONS, DAMAGES, SULKY OR DEATH ARISING OUT OF ANY KIND OF REQUIREMENTS PRIOR TO COMPLETION OF THE FINISHED STRUCTURE.
10. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL EXISTING WORK FROM DAMAGE. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL EXISTING WORK FROM DAMAGE. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL EXISTING WORK FROM DAMAGE.
11. WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY SPREAD OVER THE FLOOR OR ROOF OR BE STORED TO EXCEED THE DESIGN LOAD. LOADS OR THE STRUCTURE. TEMPORARY BRACING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE HAS NOT YET ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.
12. PRIOR TO PROCEEDING WITH ANY WORK UNDER AN EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND MECHANICAL DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

SHOP DRAWING REVIEW

1. REVIEW BY THE ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS. MINOR OR CORRECTIVE CHANGES WILL NOT BE CONSIDERED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. NOT DEPARTURES FROM THE PROJECT PLANS AND SPECIFICATIONS. RESPONSIBILITY FOR DETAILS AND DIMENSIONS FOR SELECTION FABRICATION PROCESSES.

LANDLORD/LESSOR NOTES

1. A PRE-CONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM APPLICABLE AGENCIES SHALL BE HELD ON SITE AT LEAST ONE (1) WEEK PRIOR TO BEGINNING CONSTRUCTION AT WHICH THE A CONSTRUCTION SCHEDULE AND 24-HOUR CONTACT INFORMATION SHALL BE PROVIDED TO LANDLORD/LESSOR.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AT ALL TIMES FOR LANDLORD/LESSOR PERSONNEL. THESE TRUCKS SHALL BE PROPERLY PLACED AT THE END OF EACH WORKING DAY TO ALLOW FOR 24-HOUR LANDLORD/LESSOR ACCESS TO THE SITE.
3. THE CONTRACTOR AND CELL CARRIER SHALL BE RESPONSIBLE FOR ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES TO THE EXISTING SITE AND SHALL REPAIR/DAMAGE FACILITIES TO EXISTING CONDITION OR BETTER AS REQUIRED TO THE LANDLORD/LESSOR.
4. THE CONTRACTOR SHALL NOTIFY LANDLORD/LESSOR SERVICE ALERT (GSA) 48 HRS AT LEAST TWO (2) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION AT 1483-04243.
5. ALL IN AND EXISTING FACILITIES OWNED BY THE REPRESENTED CELLULAR CARRIER SHALL BE PROPERLY TAGGED IDENTIFYING THE OWNER'S NAME AND 24-HOUR PHONE NUMBER.
6. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE SITE IS SECURE DURING BOTH WORKING AND NON-WORKING HOURS.

ACCESSIBILITY EXCEPTION NOTES

1. SECTION 118-204 LIMITED ACCESS SPACES. SPACES NOT CUSTOMARILY OCCUPIED AND ACCESSED ONLY BY LABORERS, CONTRACTORS, OR OTHER VISITORS. THESE REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE.
2. SECTION 118-204 LIMITED ACCESS SPACES. SPACES NOT CUSTOMARILY OCCUPIED AND ACCESSED ONLY BY LABORERS, CONTRACTORS, OR OTHER VISITORS. THESE REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE. THESE REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE. THESE REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE.
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GENERAL RF NOTES

1. ALL ANTENNAS AND ANTENNA CABLE SHALL BE FURNISHED BY T-MOBILE WIRELESS AND INSTALLED BY ANTENNA INSTALLATION CONTRACTOR.
2. PRIOR TO INSTALLATION OF ANTENNAS THE CONTRACTOR SHALL VERIFY THAT THE ANTIMETAL AND DIMENSIONS SHOWN ON THE PLANS MATCH ACTUAL FIELD CONDITIONS.
3. ANTENNA INSTALLATION CONTRACTOR SHALL PROVIDE ALL CONDUIT, CABLE TRAY, BRACKETS, CABLE CLAMP, GROUNDS, ETC. FOR ALL ANTENNA INSTALLATION OF ANTENNAS AND CABLES SHOWN AND INTENDED AS REQUIRED FOR A COMPLETE OPERATING SYSTEM IN ACCORDANCE WITH T-MOBILE WIRELESS STANDARDS.
4. ANTENNA CONDUIT SHALL INCLUDE FACTORY-MADE LARGE RADIUS BENDS AT ALL CHANGES IN DIRECTION. SMOOTH RADIUS SHALL BE AS REQUIRED TO MEET COAX MANUFACTURER'S MINIMUM BENDING RADIUS.
5. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC WITH STEEL BENDS. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE MC OR RFD BENDS. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE MC OR RFD BENDS. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE MC OR RFD BENDS. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE MC OR RFD BENDS.
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7. VERIFY ROUTE AND LENGTH OF CABLE PRIOR TO CUTTING. ADJUST INDICATED ROUTE AS REQUIRED TO CLEAR EXISTING OBSTRUCTIONS AND MAINTAIN CLEARANCE FROM EXISTING EQUIPMENT AND FACILITIES.
8. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC WITH STEEL BENDS. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE MC OR RFD BENDS. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE MC OR RFD BENDS. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE MC OR RFD BENDS.
9. VERIFY MODEL NUMBERS OF ANTENNAS WITH T-MOBILE WIRELESS SERVICES.
10. THE CONTRACTOR SHALL PROVIDE TESTING OF ANTENNAS AND SHALL PROVIDE DOCUMENTATION TO THE T-MOBILE WIRELESS PROJECT MANAGER.
11. INSTALL EXPOSED ALUMINUM IDENTIFICATION TAGS AT THE END OF THE MAIN DOWNWARD CABLE RUNS, ALONG WITH THE END OF THE JUMPER CABLE LOCATED WITHIN THE PLUMB SECTION OF THE FTS UNIT.

PREPARED BY



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DESIGN REVISION	REV. DATE	DESCRIPTION	BY
0	3.19.24	100% CD	BAK/GAN
1	01.30.25	100% CD	BAK
2	04.08.25	100% CD	BAK
3	6.18.25	100% CD	BAK
4	8.01.25	100% CD	BAK

ENGINEER SEAL



PREPARED FOR



1855 GATEWAY BLVD.
CANTON, CA 94503

SITE NUMBER: BVS0041A

SITE NAME: BNSMC135-CATHEDRAL OAKS

SITE ADDRESS: 4800 CATHEDRAL OAKS RD, SANTA BARBARA, CA 93101

DRAWING FOR: CONSTRUCTION

SHEET NAME: WATER-PROOFING, PENETRATION AND GENERAL NOTES

SHEET NUMBER: T-2

WATER-PROOFING, PENETRATION AND GENERAL NOTES

SCALE: N/A 1

GENERAL NOTES

- ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND CBC-2019 SPECIFICATIONS.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND CONDITIONS OF ALL WORK AND MATERIALS INCLUDING PROBLETS IDENTIFIED BY SUBCONTRACTORS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER IMMEDIATELY AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- STRUCTURAL DRAWINGS SHALL WORK IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- DESIGN, MATERIALS, EQUIPMENT, AND PRODUCTS OTHER THAN THOSE DESCRIBED OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER.
- ALL CONDITIONS SHOWN OR NOTED AS EXISTING ARE BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS. NO WARRANTY IS MADE TO THEIR ACCURACY. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS. SHOULD CONDITIONS BECOME APPARENT THAT DIFFER FROM THE CONDITIONS SHOWN, THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE PROFESSIONAL ENGINEER. PROFESSIONAL ENGINEER WILL THEN PREPARE ADDITIONAL DRAWINGS AS MAY BE NEEDED TO ACCOMMODATE THE CONDITIONS AS BROUGHT TO THEIR ATTENTION.
- MECHANICAL EQUIPMENT MUST BE FIRMLY ATTACHED TO THE STRUCTURE. ISOLATORS, FASTENERS, AND OTHER ELEMENTS PROVIDING STABILITY FOR MECHANICAL EQUIPMENT SHALL BE CAPABLE OF TRANSMITTING LOADS REQUIRED LOADS, BUT IN NO EVENT LESS THAN A SHEAR LOAD EQUIVALENT TO 0.65 TIMES THE OPERATING WEIGHT OF THE EQUIPMENT.
- WATERPROOFING: SEE ARCHITECTURAL DRAWINGS.
- THE FOUNDATION DESIGN IS BASED ON COC-019 TABLE 1800.2 ALLOWABLE SOIL BEARING WALLS IS 1500.
- THE NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS.
- TYPICAL DETAILS MAY NOT NECESSARILY BE OUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

CONCRETE

- ALL FORMED SURFACE CONCRETE SHALL HAVE AN 18,000 PSI COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. UNLESS OTHERWISE NOTED, CEMENT TO BE TYPE I FROM TESTED STOCK PER ASTM C-150.
- CONCRETE FORM TOLERANCES SHALL BE WITHIN THE STANDARDS SET BY THE AMERICAN CONCRETE INSTITUTE.
- ALL REINFORCING STEEL, ANCHOR BOLTS, DOVELS OR OTHER INSERTS SHALL BE SECURED IN POSITION AND RESPECTED BY THE LOCAL BUILDING DEPARTMENT INSPECTOR PRIOR TO THE POURING OF ANY CONCRETE.
- NO REPS OR CUTS SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATIONS.
- FORM EXPOSED CORNERS OF COLLARS, BEAMS, WALLS, ETC. WITH 3/4" CHAMFERS UNLESS DETAILED OTHERWISE.
- PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE.

REINFORCING STEEL

- REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 U.S. U.
- BARNS SHALL BE CLEAN OF OIL, OR OTHER COATINGS LIKELY TO IMPAIR BONDING.
- ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO PLACING CONCRETE OR GROUTING MASONRY. ALL REINFORCING SHALL BE CHARGED TO ENSURE PROPER CLEARANCES. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE IS NOT AN ACCEPTABLE MOISTURE CORROSION PROTECTION.
- REINFORCING STEEL SHALL BE SPLICED AS SHOWN OR NOTED. SPLICES AT OTHER LOCATIONS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER. ALL VERTICAL WALL REINFORCEMENT SHALL BE CONTINUOUS BETWEEN SPLICE LOCATIONS SHOWN IN THE DRAWINGS.
- ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A103.

GENERAL STRUCTURAL NOTES

STRUCTURAL STEEL

- THE LABOR, MATERIALS AND EXECUTION REQUIRED FOR ALL CONCRETE WORK AS INDICATED ON THE DRAWINGS SHALL BE IN ACCORDANCE WITH THOSE APPLICABLE PORTIONS OF CHAPTER 22 OF THE LATEST ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE.
- STRUCTURAL STEEL NOT ENCASED IN CONCRETE SHALL BE BOPH PAINTED WITH THE MOST DURABLE PRIMER OR APPROVED EQUIVALENT.
- USE 505 OTHERWISE ALL BOLTS SHALL BE ASTM A307. THIS INCLUDES EXPANSION/ADHESIVE ANCHORS. BOLTED CONNECTIONS SHALL CONFORM TO AISC SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- UNLESS NOTED OTHERWISE ALL WELDS PER THE LATEST EDITIONS OF THE AISC SPECIFICATIONS SHALL CONFORM TO AISC SPECIFICATIONS. WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. THESE DRAWINGS DO NOT DISTINGUISH BETWEEN SHOP AND FIELD WELDS.
- CONTRACTOR IS PERMITTED TO CUT AND WELD ANTENNA SUPPORT ASSEMBLY ARMS AS NECESSARY TO MEET THE LENGTH REQUIREMENTS IN THE FIELD. WELDS SHALL CONSIST OF A 3/16" FILLET ALL THE WAY AROUND FOR 1/4" THICK STEEL, OR LESS AND 3/8" FILLET WELD FOR STEEL 1/2" THICK OR LESS. CONNECTION SHALL BE TO CORROSION BARRIER WITH AN APPROVED PAINT IN ACCORDANCE WITH BS 729-187 AND PREN 1028.
- MATERIAL CONFORMANCE:**
 - WELDED FLANGE STEEL SECTIONS PER ASTM A370 OR A572 OR A588 WITH $F_y = 50$ KSI
 - PIPE SECTIONS PER ASTM A514 WITH $F_y = 34$ KSI
 - TUBE STEEL SECTIONS PER ASTM A514 WITH $F_y = 48$ KSI
 - COLD FORMED STEEL PER ASTM A503 WITH $F_y = 50$ KSI
 - WELDING ELECTRODES PER AISC CODE, E70XX UNLESS NOTED OTHERWISE ON PLANS.
 - ALL OTHER MECHANICAL STEEL SHALL BE ASTM A36 WITH $F_y = 36$ KSI UNLESS NOTED OTHERWISE ON THE PLANS.

ADHESIVE / MECHANICAL ANCHORS

- ALL POST-INSTALLED ANCHORS SHALL BE PER SPMKOR OR HITI MANUFACTURING AS INDICATED ON THE PLANS.
- MECHANICAL ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING APPROVAL CODES:
 - FOR SPMKOR ST IRONS BOLT 2 ANCHORS, INSTALLATION SHALL COMPLY WITH ICCES ESR-307 AND LARR 2569 FOR ANCHORAGE TO CONCRETE. UPMO ESR-340 AND LARR 2569 FOR ANCHORAGE TO MASONRY.
 - FOR HITI HIT-147 20 EPOXY ANCHORS, INSTALLATION SHALL BE IN ACCORDANCE WITH ICCES ESR-1187 AND LARR 2570 FOR ANCHORAGE TO CONCRETE.
- ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING APPROVAL CODES:
 - FOR SPMKOR SET EP EPOXY ANCHORS, INSTALLATION SHALL BE IN ACCORDANCE WITH ICCES ESR-208 AND LARR 2544 FOR ANCHORAGE TO CONCRETE. UPMO ESR-340 AND LARR 2569 FOR ANCHORAGE TO MASONRY.
 - FOR HITI HIT-147 20 EPOXY ANCHORS, INSTALLATION SHALL BE IN ACCORDANCE WITH ICCES ESR-1187 AND LARR 2569 FOR ANCHORAGE TO CONCRETE.
- ALLOW A MINIMUM OF 72 HOURS AFTER NEW CONCRETE IS PLACED PRIOR TO LOCATING MECHANICAL OR ADHESIVE ANCHORS. ALL MECHANICAL/ADHESIVE ANCHORS REQUIRE SPECIAL STRUCTURAL INSPECTION PER THE BUILDING CODE.

MASONRY

- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, MEDIUM WEIGHT, GRADE N WITH $F_m = 1500$ PSI.
- MORTAR TYPE S, $F_m = 1800$ PSI.
- PROVIDE EXPANSION JOINTS IN MASONRY WALLS EVERY 24' 0" O.C.
- VERTICAL REINFORCING SHALL BE 1# VERTICAL IN CENTER OF GROUTED CELL CONTINUOUS FULL HEIGHT OF WALL AT ALL CORNERS, INTERSECTIONS, WALL ENDS, SCAM BEAMS, JAMBS, EACH SIDE OF CONTROL JOINTS, AND AT INTERVALS NOT TO EXCEED 48' 0" O.C. UNLESS NOTED OTHERWISE ON THE PLANS. THE AT 8' 0" O.C. VERTICALLY WITH SINGLE WIRE LOOP TIE BY AN WIRE PRODUCTS COMPANY OR EQUIVALENT. DOVEL VERTICAL REINFORCING TO FOUNDATION WITH DOWN IS TO MATCH VERTICAL REINFORCING.
- HORIZONTAL REINFORCING SHALL CONSIST OF 2 #1 CONTINUOUS AT ELEVATED FRAMING ASSEMBLY. 1 #1 CONTINUOUS AT TOP OF PARAPETS AND FRAMED END WALLS. PLACE THESE BARS CONTINUOUS THROUGH CONTROL JOINTS. INSTALL BENT BARS TO MATCH HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS TO MAINTAIN BOND BEHIND CONTINUITAS. STANDARD WEIGHT (NO. 3 GAGE WIRE) DARK-O-WALL OR DARK-O-WIRE FOR EQUAL INTY LADDER TYPE JOINT REINFORCING AT 8" O.C. LAP LADDER TYPE JOINT REINFORCING 12" MINIMUM.
- TYPICAL SPLICES FOR VERTICAL AND HORIZONTAL REINFORCING SHALL BE PER LAP DETAILS. DO NOT SPLICE WITHIN 8' 0" OF CONTROL JOINTS.

WOOD

- IN STUD WALLS, UNLESS NOTED OTHERWISE, INSTALL DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTIONS AND AT ISOLATED BEARING POINTS OF FRAMING MEMBERS ABOVE. EVERY OTHER STUD OF ROOF FRAME BEARING WALL SHALL HAVE A SIMPSON ANCHOR TOP AND BOTTOM, EXCEPT AT THESE WALLS WHERE PL WOOD SHEATHING IS NAILED DIRECTLY TO THE TOP AND BOTTOM PLATES. PROVIDE 2X SOLID BLOCKING AT MID-HEIGHT OF BEARING STUD WALLS.
- SAW LUMBER FRAMING SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WPA OR THE WCLB. ALL SAW LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY AND SHALL HAVE MINIMUM PROPERTIES WHOSE MEET OR EXCEED THE FOLLOWING WOOD TYPES:

MEMBER	WOOD TYPE
JOISTS	D.F. SELECT
2X4 (PANEL/JOIST)	D.F. #2
2X6	D.F. #2
2X8 OR LARGER	D.F. #1
BEAMS	D.F. #1
WIDTH OF 4" OR LESS	D.F. SELECT
WIDTH GREATER THAN 4"	D.F. #2
STUDS	D.F. STU
2X4	D.F. #2
2X6 OR LARGER	D.F. #2
POSTS	D.F. #2
4X4	D.F. SELECT
6X6 OR LARGER	D.F. SELECT

- GULI AMNATED BEAMS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: $F_b = 2400$ PSI, $F_y = 40$ PSI, $E = 1,800,000$ PSI. BEAMS CANTILEVERING OVER SUPPORTS SHALL HAVE THE SPECIFIED MINIMUM PROPERTIES TOP AND BOTTOM. ALL BEAMS SHALL BE FABRICATED USING WATERPROOF GLUE, FABRICATION AND HANDLING PER LATEST AUTO AND WCLB STANDARDS.
- BEAMS TO BEAR: GROUND STAMP AND AUTO STAMP AND CERTIFIED. CAMBER AS SHOWN ON DRAWINGS. IN THE ABSENCE OF CAMBER SHOWN ON THE PLAN, PROVIDE STANDARD CAMBER. STANDARD CAMBER IS DEFINED AS A MAXIMUM OF CURVATURE EQUAL TO 2/320 FEET.
- PLYWOOD SHALL BE AIA 2047 RATED SHEATHING OR BETTER AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY. LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO BARRIERS. FOR ROOFS WHERE PLYWOOD IS LAYED UP WITH FACE GRAIN PARALLEL TO SUPPORTS, USE A MINIMUM OF 3/4" PLYWOOD. STAGGER JOINTS. ALL WALLING SHALL BE COMMON NAILS UNLESS NOTED OTHERWISE. WHERE SCREENS ARE INDICATED FOR WOOD TO WOOD ATTACHMENTS USE WOOD SCREWS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/RATIO RATIO AND SHALL BE TACHED AS FOLLOWS UNLESS NOTED OTHERWISE:

USE	THICKNESS	SPAN/RATIO	ATTACHMENT EDGE	INTERMEDIATE
ROOF	5/8"	32/16	10d@8" O.C.	10d@12" O.C.
FLOOR	3/4"	40/20	10d@8" O.C.	10d@12" O.C.
FLOOR	3/4"	40/20	SCREWS@8" O.C.	SCREWS@12" O.C.
SHEAR WALL	3/8"	24/0	8d@8" O.C.	8d@12" O.C.

FIBER REINFORCED PLASTIC (FRP)

- ALL CONNECTIONS SHALL BE 3/4" DIAMETER FIBER BOLTS, UNLESS OTHERWISE NOTED. ALL HOLES IN DIAMETER THAN THE BOLTS THEY RECEIVE.
- ALL CONTACT SURFACES OF FRP STRUCTURAL SHAPES AND/OR HYBRID POLYMER COMPOSITE ARCHITECTURAL PANELS SHALL BE BONDED PER MANUFACTURER'S RECOMMENDATIONS. USE 1/4" FRP SCREENING AND EPOXY GLUE BLEN TO FRAMING MEMBERS WITH 3/4" DIAMETER FIBER BOLTS AT 8" O.C. EFS SHALL MATCH BUILDING AND BE ATTACHED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ALL LIQUID NAILS MULTI-PURPOSE CONSTRUCTION ADHESIVE SHALL BE PER MCGUO OR APPROVED EQUIVALENT. BONDING SURFACE SHALL BE CAREFULLY PREPARED TO ENSURE A GOOD ADHESIVE BOND BY WIPING THE SURFACE WITH A TERNOLUX SOLVENT, REMOVING SURFACE GLOSS BY LIGHT SANDING, APPLY ADHESIVE, AND FASTEN OR CLAMP BONDING SURFACES UNTIL CURED.
- ALL EXPOSED JOINTS AT ARCHITECTURAL PANELS AND SHAPES EDGES, CORNERS, ETC.) SHALL BE CALLED WITH AN APPROVED FLEXIBLE POLYURETHANE SEALANT/CAULK.
- ALL OPEN ENDS OR GAPS OF SCREEN FRAMING WHERE WATER SUSCEPTIBLE TO WATER INFILTRATION SHALL BE WEATHER CAPTED OR SEALED BY THE GENERAL CONTRACTOR.
- ALL FRP MATERIAL TO BE LOCATED IN THE CITY OF LOS ANGELES SHALL CONFORM TO LARR 2206.
- ALL FRP MATERIAL SHALL CONFORM TO ASTM D-638, 639, 790, 2344, 732. ADDITIONALLY WITH BOLTS CONFORMING TO ASTM B-888. ALL FRP MATERIAL SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES FOR ALLOWABLE STRESS DESIGN (BASED ON A SAFETY FACTOR OF 7). VALUES ARE REPRESENTED IN KSI.

MECHANICAL PROPERTY

PROPERTY	LENGTHWISE	CROSSWISE
TENSILE STRESS F_t	4.3	1.0
COMPRESSIVE STRESS F_c	4.3	2.1
FLEXURAL STRESS F_b	4.3	1.4
MODULUS OF ELASTICITY E	2.8E+09	-
SHEAR F_v	0.6	-
BOL. STRENGTH	12	-

SPECIAL STRUCTURAL INSPECTION - STRUCTURAL ONLY

- SPECIAL STRUCTURAL INSPECTION IS TO BE PROVIDED FOR THE ITEMS LISTED BELOW IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING JURISDICTION. SPECIAL STRUCTURAL INSPECTION IS REQUIRED FOR THE FOLLOWING:

VERIFICATION AND INSPECTION	INSPECTION TYPE	REFERENCE STANDARD
AT FLOOR AND ROOF	CONTINUOUS PERIODIC	
STEEL CONSTRUCTION WELDING		
DECK WELDS FOR REINFORCING STEEL FOR STRUCTURAL STEEL		AWG D13
AWG D14, A20 310		AWG D14, A20 310
CONCRETE CONSTRUCTION		
POST-INSTALLED ANCHORS		X
USE OF REQUIRED DESIGN MIX		ACI 318.3.3, 11.7, 31.5
MASONRY CONSTRUCTION		ACI 318 CHAPTER 6, 2.2.4
REINFORCING STEEL (BOLT PLACEMENT CLEANUP) PRIOR TO CLOSURE		TMS 402 AND 402.6
POST-INSTALLED ANCHORS		ACI 308.4C2.5.6
LARR 2561, LARR 2570		LARR 2561, LARR 2570
LARR 2566, LARR 2569		LARR 2566, LARR 2569

- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN THAT IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS AND ALL DEVIATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO PROCEEDING WITH THE WORK. ALL REQUESTS FOR DEVIATIONS SHALL BE INITIATED BY THE CONTRACTOR VIA A WRITTEN REQUEST FOR INFORMATION.
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN, IF UNCORRECTED TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. INSPECTOR IS NOT AUTHORIZED TO OPERATE CONTRACTORS EQUIPMENT.
- FOR ADDITIONAL INFORMATION ON SPECIAL STRUCTURAL INSPECTIONS, CONTACT THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION.

PREPARED BY

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DESIGN REVISIONS	REV	DATE	DESCRIPTION	BY
0	12.19.24		100% CD	BAW
1	01.30.25		100% CD	BAW
2	04.08.25		100% CD	BAW
3	01.18.25		100% CD	BAW
4	10.01.25		100% CD	BAW

ENGINEER SEAL



PREPARED FOR

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 10000 W. CENTRAL AVE. SUITE 1030
 ENGLE, CA 92020

SITE NUMBER: SV0001A

SITE NAME: 5840X105-CATHEDRAL OAKS

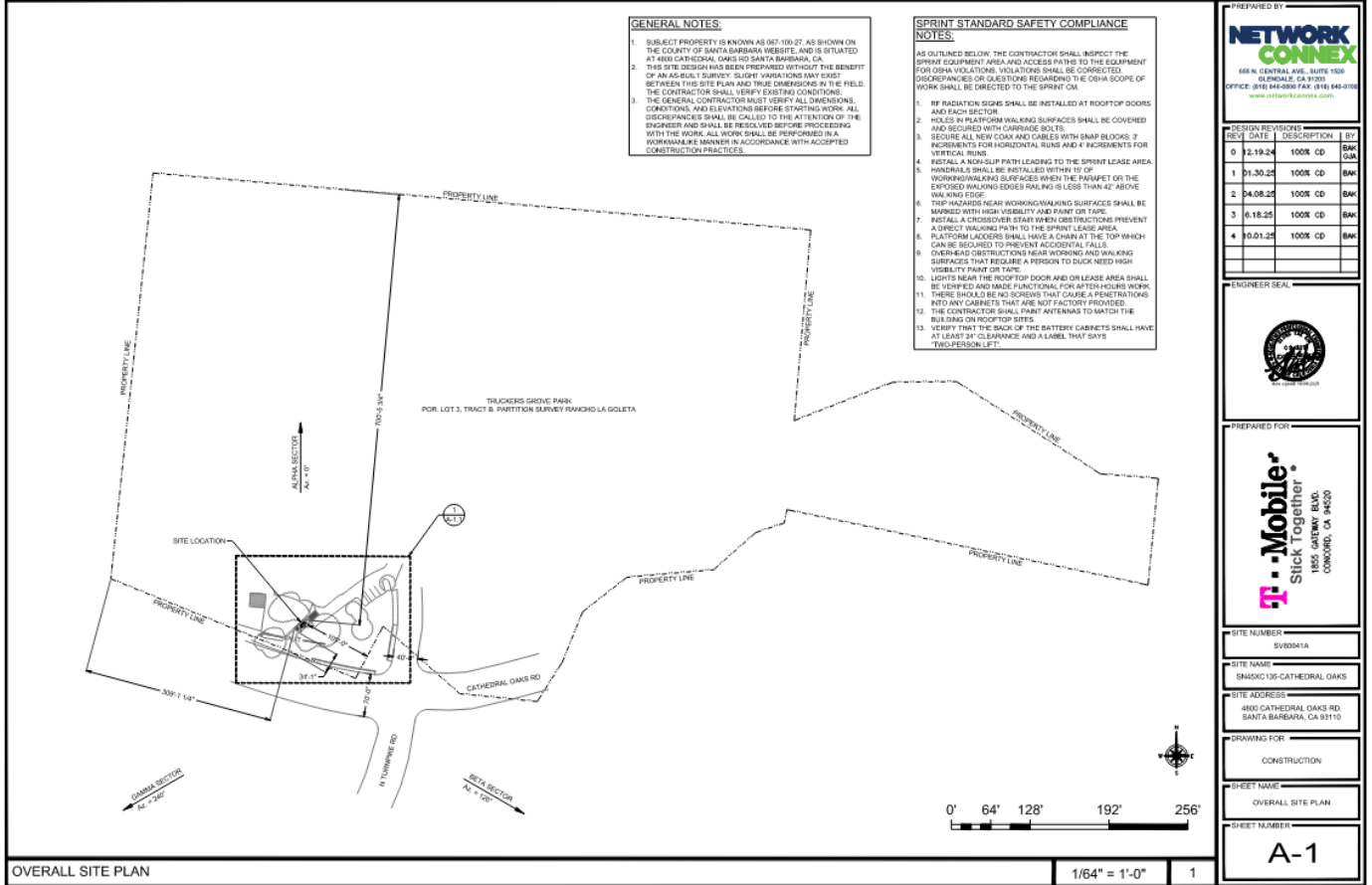
SITE ADDRESS: 4800 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110

DRAWING FOR: CONSTRUCTION

SHEET NAME: GENERAL STRUCTURAL NOTES

SHEET NUMBER: T-4

SCALE: N/A 1



GENERAL NOTES:

- SUBJECT PROPERTY IS KNOWN AS 067-100-27 AS SHOWN ON THE COUNTY OF SANTA BARBARA WEBSITE AND IS SITUATED AT 4800 CATHEDRAL OAKS RD SANTA BARBARA, CA
- THIS SITE DESIGN HAS BEEN PREPARED WITHOUT THE BENEFIT OF AN AS-BUILT SURVEY. SLIGHT VARIATIONS MAY EXIST BETWEEN THIS SITE PLAN AND TRUE DIMENSIONS IN THE FIELD. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS.
- THE GENERAL CONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS, AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.

SPRINT STANDARD SAFETY COMPLIANCE NOTES:

AS OUTLINED BELOW, THE CONTRACTOR SHALL INSPECT THE SPRINT EQUIPMENT AREA AND ACCESS PATHS TO THE EQUIPMENT FOR OSHA VIOLATIONS. VIOLATIONS SHALL BE CORRECTED. DISCREPANCIES OR QUESTIONS REGARDING THE OSHA SCOPE OF WORK SHALL BE DIRECTED TO THE SPRINT CM.

- RF RADIATION SIGNS SHALL BE INSTALLED AT ROOFTOP DOORS AND EACH SECTOR.
- HOLES IN PLATFORM WALKING SURFACES SHALL BE COVERED AND SECURED WITH CHAIRS OR BOLTS.
- SECURE ALL NEW COAX AND CABLES WITH SNAP BLOCKS 2' INTERVALS FOR HORIZONTAL RUNS AND 4' INTERVALS FOR VERTICAL RUNS.
- INSTALL A NON-SLIP PATH LEADING TO THE SPRINT LEASE AREA HANDRAILS SHALL BE INSTALLED WITHIN 1' OF WORKING/WALKING SURFACES WHICH THE PARAPET OR THE EXPOSED WALKING EDGES RAILING IS LESS THAN 42" ABOVE THE WALKING SURFACE.
- TRIP HAZARDS NEAR WORKING/WALKING SURFACES SHALL BE MARKED WITH HIGH VISIBILITY TAPE OR PAINT OR TAPE.
- INSTALL A CROSSOVER STAIR WHEN OBSTRUCTIONS PREVENT A DIRECT WALKING PATH TO THE SPRINT LEASE AREA.
- PLATFORM LADDERS SHALL HAVE A CHAIN AT THE TOP WHICH CAN BE SECURED TO PREVENT ACCIDENTAL FALLS.
- OVERHEAD OBSTRUCTIONS NEAR WORKING AND WALKING SURFACES THAT REQUIRE A PERSON TO DUCK NEED HIGH VISIBILITY TAPE OR TAPE.
- LIGHTS NEAR THE ROOFTOP DOOR AND OR LEASE AREA SHALL BE VERIFIED AND MADE FUNCTIONAL FOR AFTER-HOURS WORK.
- THERE SHOULD BE NO SCREWS THAT CAUSE A PENETRATIONS INTO ANY CABINETS THAT ARE NOT FACTORY PROVIDED.
- THE CONTRACTOR SHALL PAINT ANTENNAS TO MATCH THE BUILDING ON ROOFTOP SITES.
- VERIFY THAT THE BACK OF THE BATTERY CABINETS SHALL HAVE AT LEAST 3" CLEARANCE AND A LABEL THAT SAYS "TWO PERSON LIFT".

PREPARED BY

NETWORK CONNEX
 668 S CENTRAL AVE, SUITE 1006
 IRVINE, CA 92617
 OFFICE: (949) 244-2000 FAX: (949) 244-0700
 www.networkconnex.com

DESIGN REVISIONS	REV#	DATE	DESCRIPTION	BY
0	2-19-24	100% CD		DMW
1	01-30-25	100% CD		BAK
2	04-08-25	100% CD		BAK
3	6-18-25	100% CD		BAK
4	09-01-25	100% CD		BAK

ENGINEER SEAL

PREPARED FOR

Mobile
 Stick Together
 1855 GARDWAY BLVD.
 CONCORD, CA 94520

SITE NUMBER: SV00041A

SITE NAME: 5N45XC106-CATHEDRAL OAKS

SITE ADDRESS: 4800 CATHEDRAL OAKS RD, SANTA BARBARA, CA 93110

DRAWING FOR: CONSTRUCTION

SHEET NAME: OVERALL SITE PLAN

SHEET NUMBER: A-1

OVERALL SITE PLAN

1/64" = 1'-0" 1

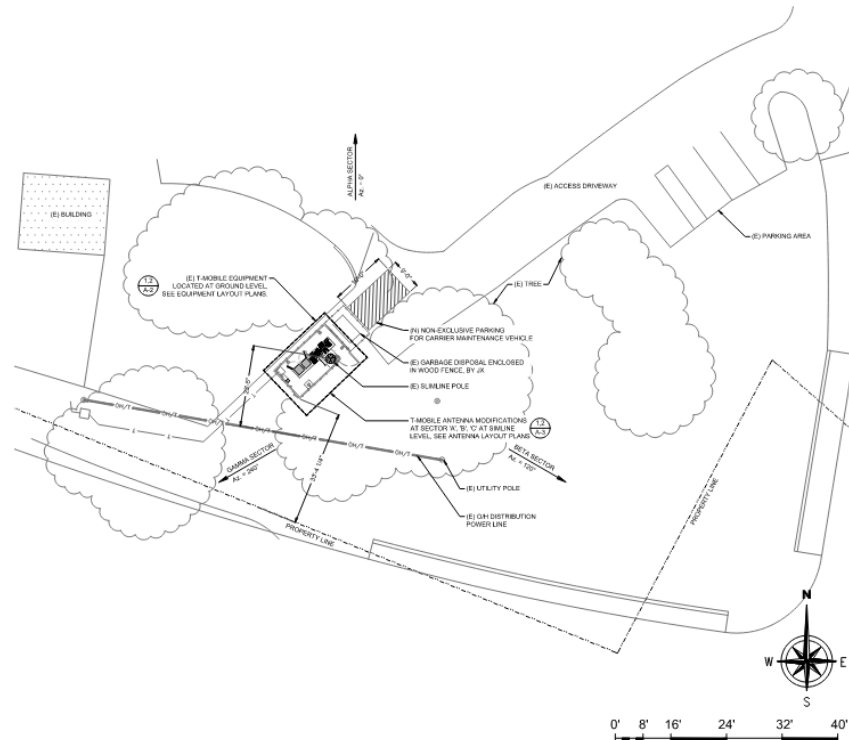
GENERAL NOTES:

- SUBJECT PROPERTY IS KNOWN AS 007-100-27, AS SHOWN ON THE COUNTY OF SANTA BARBARA WEBSITE, AND IS SITUATED AT 4800 CATHEDRAL OAKS RD SANTA BARBARA, CA.
- THIS SITE DESIGN HAS BEEN PREPARED WITHOUT THE BENEFIT OF AN AS-BUILT SURVEY. SLIGHT VARIATIONS MAY EXIST BETWEEN THIS SITE PLAN AND TRUE DIMENSIONS IN THE FIELD. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS.
- THE GENERAL CONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS, AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANSLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.

SPRINT STANDARD SAFETY COMPLIANCE NOTES:

AS OUTLINED BELOW, THE CONTRACTOR SHALL INSPECT THE SPRINT EQUIPMENT AREA AND ACCESS PATHS TO THE EQUIPMENT FOR OSHA VIOLATIONS. VIOLATIONS SHALL BE CORRECTED, DISCREPANCIES OR QUESTIONS REGARDING THE OSHA SCOPE OF WORK SHALL BE DIRECTED TO THE SPRINT CM.

- RF RADIATION SHIELDS SHALL BE INSTALLED AT ROOFTOP DOORS AND EACH SECTOR.
- HOLES IN PLATFORM WALKING SURFACES SHALL BE COVERED AND SECURED WITH CARBIDE BOLTS.
- SECURE ALL FEED COAX AND CABLES WITH SNAP-BLOCKS. 2 INCREMENTS FOR HORIZONTAL, 1/2 INCH AND 4 INCREMENTS FOR VERTICAL, 1/2 INCH.
- INSTALL A NON-SLIP PATH LEADING TO THE SPRINT LEASE AREA.
- HAZARDOUS SHALL BE INSTALLED WITHIN 18" OF WORKING WALKING SURFACES WHEN THE PARAPET OR THE CURVED WALKING EDGES (HOLE IS LESS THAN 4" ABOVE WALKING EDGE).
- TRIP-HAZARDS NEAR WORKING WALKING SURFACES SHALL BE MARKED WITH HIGH VISIBILITY AND PAINT OR TAPE.
- INSTALL A CROSSBOW STAIR WHEN OBSTRUCTIONS PREVENT A DIRECT WALKING PATH TO THE SPRINT LEASE AREA.
- PLATFORM LADDERS SHALL HAVE A CHAIN AT THE TOP WHICH CAN BE SECURED TO PREVENT ACCIDENTAL FALLS.
- CURVED WALKING SURFACES NEAR WORKING AND WALKING SURFACES THAT REQUIRE A PERSON TO DUCK NEED HIGH VISIBILITY PAINT OR TAPE.
- LIGHTS NEAR THE ROOFTOP DOOR AND OR LEASE AREA SHALL BE VERIFIED AND MADE FUNCTIONAL FOR AFTER-HOURS WORK.
- THERE SHOULD BE NO SCREWS THAT CAUSE A PENETRATIONS INTO ANY CABINETS THAT ARE NOT FACTORY PROVIDED.
- THE CONTRACTOR SHALL PAINT ANTENNAS TO MATCH THE BUILDING OR ROOFTOP SIDES.
- VERIFY THAT THE BACK OF THE BATTERY CABINETS SHALL HAVE AT LEAST 6" CLEARANCE AND A LABEL, THAT SAYS "TWO PERSON LIFT".



OVERALL SITE PLAN

3/32" = 1'-0" 1

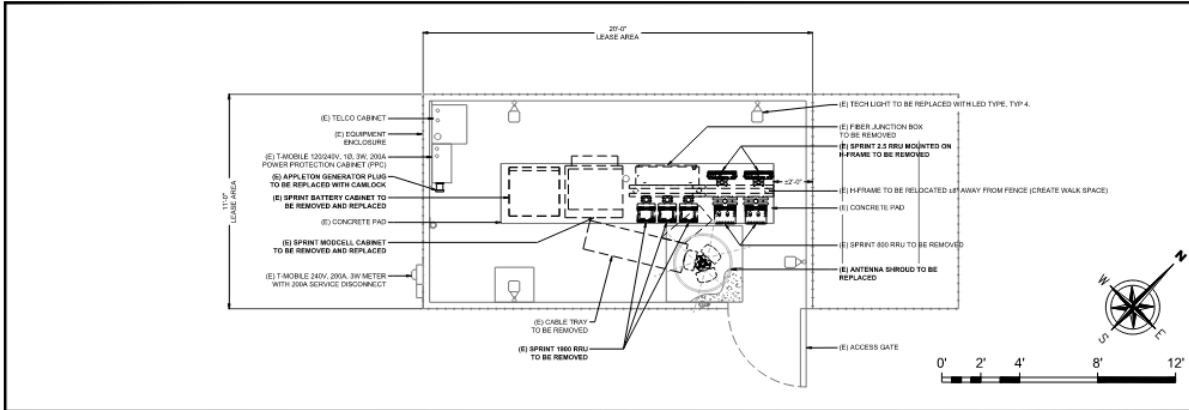
PREPARED BY
NETWORK CONNEX
 4848 CANTON AVE. SUITE 1000
 IRVINE, CA 92614
 OFFICE: 949.261.8100 FAX: 949.261.0700
 www.networkconnex.com

REVISION	DATE	DESCRIPTION	BY
0	12.19.24	100% CD	BAK/SA
1	11.30.25	100% CD	BAK
2	04.08.25	100% CD	BAK
3	06.18.25	100% CD	BAK
4	10.01.25	100% CD	BAK

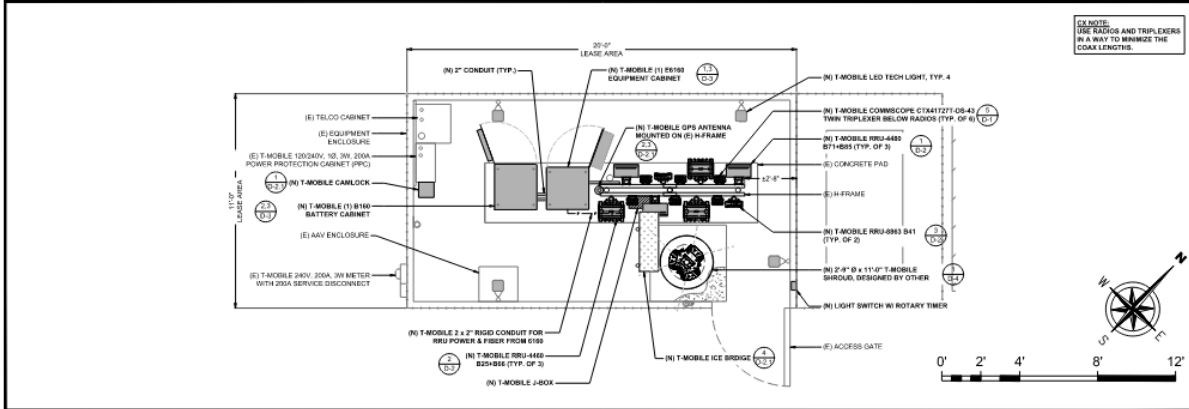


PREPARED FOR
Mobile
 Stick Together
 1855 CANTON BLVD.
 COMBOD, CA 94520

SITE NUMBER	SUB041A
SITE NAME	58MXC136-CATHEDRAL OAKS
SITE ADDRESS	4800 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110
DRAWING FOR	CONSTRUCTION
SHEET NAME	ENLARGED OVERALL SITE PLAN
SHEET NUMBER	A-1.1



(E) GROUND EQUIPMENT LAYOUT PLAN 1/2" = 1'-0" 2



(N) GROUND EQUIPMENT LAYOUT PLAN 1/2" = 1'-0" 1

PREPARED BY
NETWORK CONNEX
 688 N. CENTRAL AVE., SUITE 1500
 BURLINGAME, CA 94010
 OFFICE: (415) 841-2888 FAX: (415) 844-0789
 www.networkconnex.com

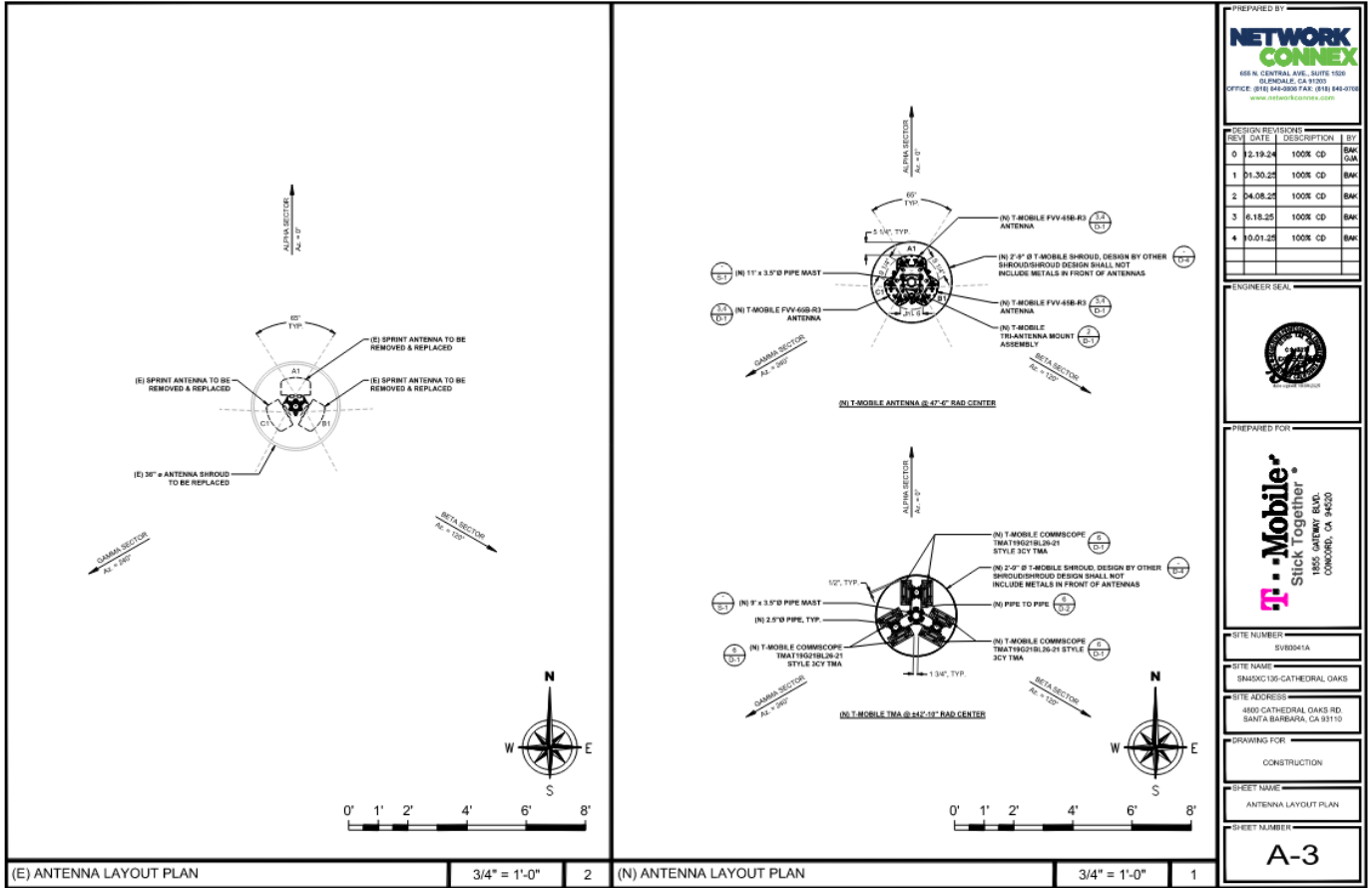
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2	04.08.25	100% CD	BAW
3	06.18.25	100% CD	BAW
4	10.01.25	100% CD	BAW

ENGINEER SEAL

PREPARED FOR
T-Mobile
 Stick Together
 1855 GARDEN BLVD.
 CONCORD, CA 94620

SITE NUMBER: SW5091A
 SITE NAME: BRANDCLIFF CATHEDRAL, OAKS
 SITE ADDRESS: 4800 CATHEDRAL OAKS RD, SANTA BARBARA, CA 93110
 DRAWING FOR: CONSTRUCTION
 SHEET NAME: GROUND EQUIPMENT LAYOUT PLAN
 SHEET NUMBER:

A-2



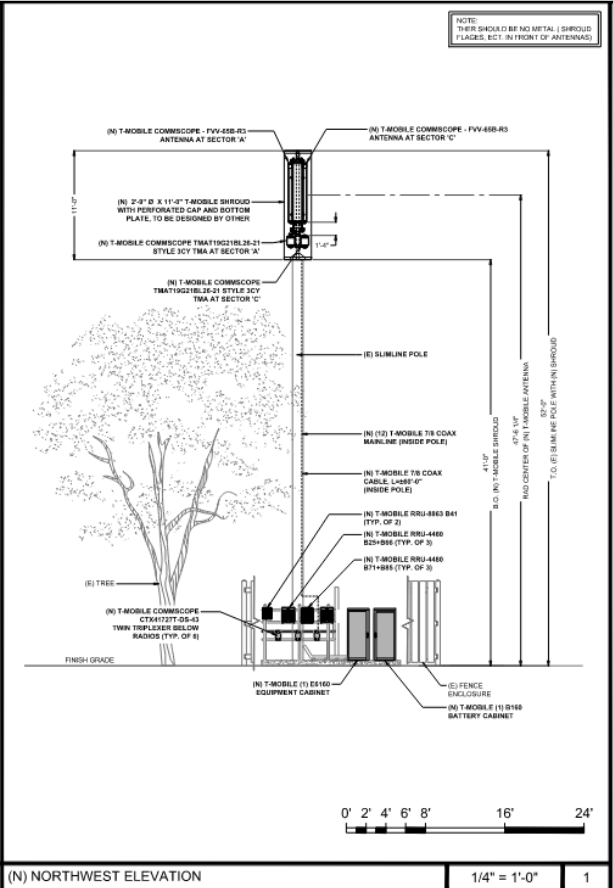
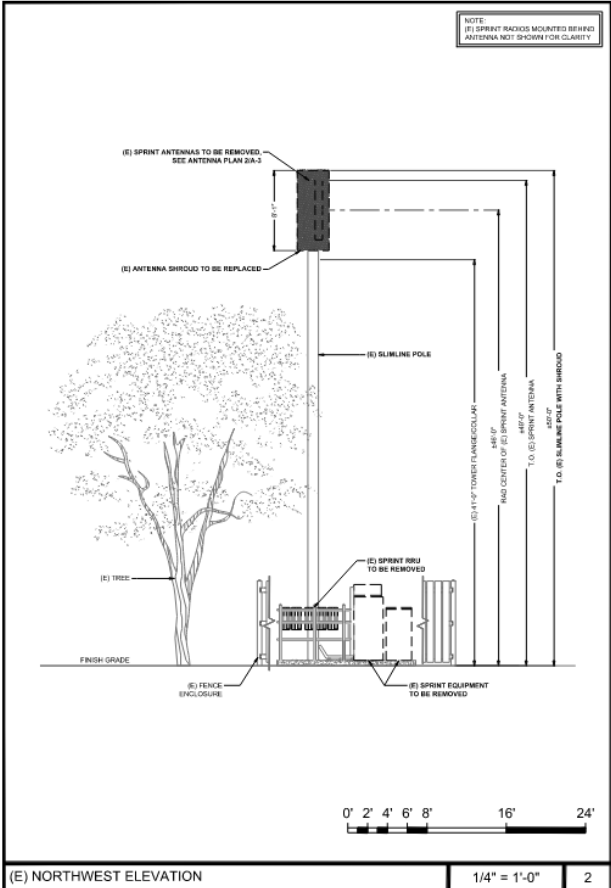
PREPARED BY
NETWORK CONNEX
 666 N. CENTRAL AVE., SUITE 1000
 GLENDALE, CA 91201
 OFFICE: (618) 646-3000 FAX: (618) 646-0766
 www.networkconnex.com

REV#	DATE	DESCRIPTION	BY
0	12-19-24	100% CD	BAK/DAK
1	01-30-25	100% CD	BAK
2	04-08-25	100% CD	BAK
3	6-18-25	100% CD	BAK
4	10-01-25	100% CD	BAK

ENGINEER SEAL

PREPARED FOR
Mobile Stick Together
 1855 GATEWAY BLVD.
 CONCORD, CA 94520

SITE NUMBER: SVB2041A
 SITE NAME: SM45AC130-CATHEDRAL OAKS
 SITE ADDRESS: 4800 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110
 DRAWING FOR: CONSTRUCTION
 SHEET NAME: ANTENNA LAYOUT PLAN
 SHEET NUMBER: A-3



PREPARED BY
NETWORK CONNEX
 666 N. CENTRAL AVE., SUITE 100
 GILMERE, CA 91720
 OFFICE: (915) 848-2800 FAX: (915) 848-0766
 www.networkconnex.com

DESIGN REVISIONS	REV	DATE	DESCRIPTION	BY
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	1	01-30-25	100% CD	BAK
	2	04-08-25	100% CD	BAK
	3	6-18-25	100% CD	BAK
	4	10-01-25	100% CD	BAK

ENGINEER SEAL

PREPARED FOR
T-Mobile
 Stick Together
 1855 GATEWAY BLVD.
 CONCORD, CA 94520

SITE NUMBER
 SV80041A

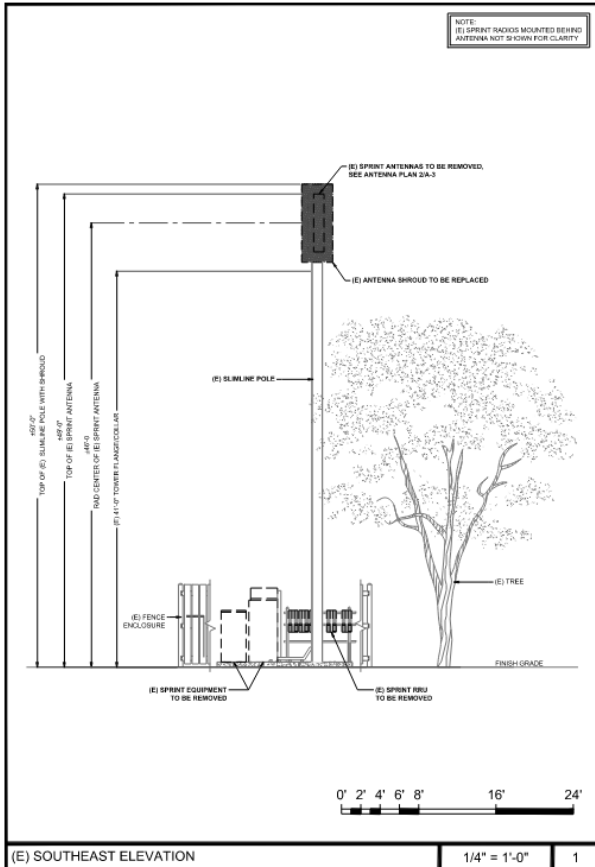
SITE NAME
 SN45AC106-CATHEDRAL OAKS

SITE ADDRESS
 4800 CATHEDRAL OAKS RD.
 SANTA BARBARA, CA 93110

DRAWING FOR
 CONSTRUCTION

SHEET NAME
 ELEVATIONS

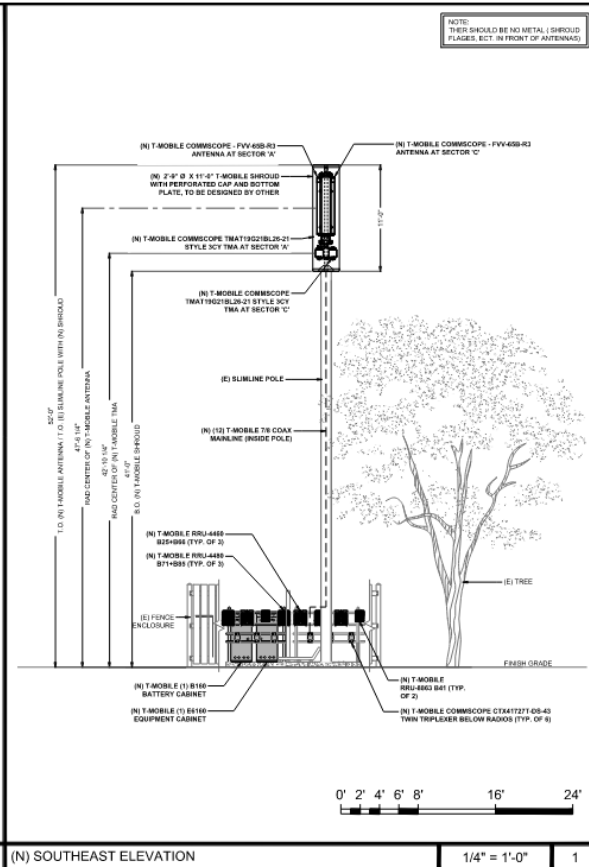
SHEET NUMBER
A-4



(E) SOUTHEAST ELEVATION

1/4" = 1'-0"

1



(N) SOUTHEAST ELEVATION

1/4" = 1'-0"

1

PREPARED BY

NETWORK CONNEX
666 N. CENTRAL AVE., SUITE 1030
OAKLAND, CA 94612
OFFICE: (916) 864-5200 FAX: (916) 841-0766
www.networkconnex.com

DESIGN REVISIONS	REV#	DATE	DESCRIPTION	BY
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1	01.30.25	100% CD	BAK	BAK
2	04.08.25	100% CD	BAK	BAK
3	6.18.25	100% CD	BAK	BAK
4	9.01.25	100% CD	BAK	BAK

ENGINEER SEAL

PREPARED FOR

T-Mobile
Stick Together
1855 GARDNER BLVD.
OAKLAND, CA 94612

SITE NUMBER: SV99041A

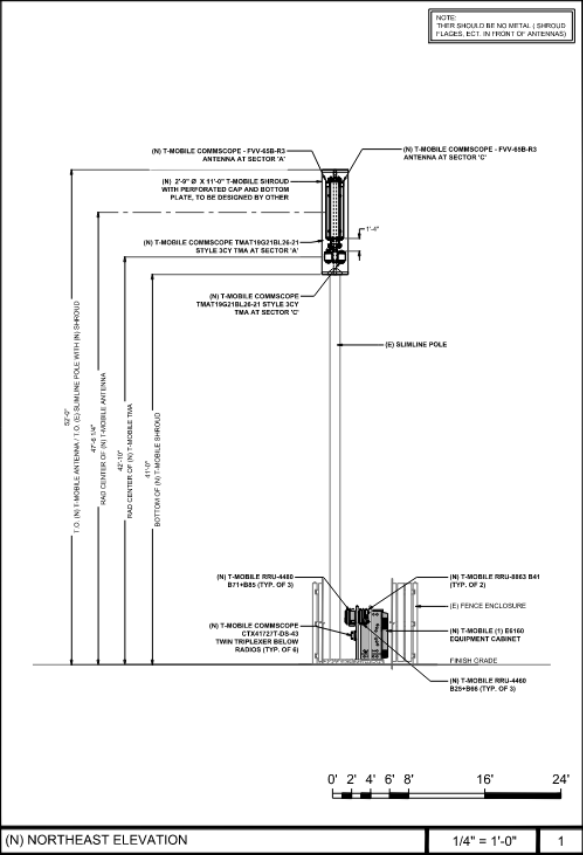
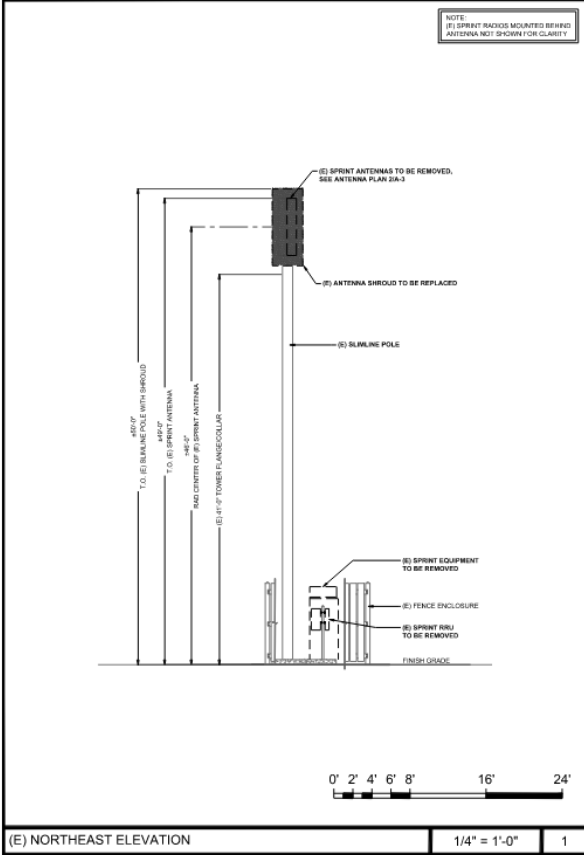
SITE NAME: SNADVC106-CATHEDRAL OAKS

SITE ADDRESS: 4800 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110

DRAWINGS FOR: CONSTRUCTION

SHEET NAME: ELEVATIONS

SHEET NUMBER: A-5



PREPARED BY
NETWORK CONEX
656 N. CENTRAL AVE., SUITE 100
RIVERSIDE, CA 92501
OFFICE: (951) 508-5545 FAX: (951) 504-4176
WWW.NETWORKCONEX.COM

DESIGN REVISIONS	REV. DATE	DESCRIPTION	BY
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1	01.30.25	100% CD	BAK
2	04.08.25	100% CD	BAK
3	06.18.25	100% CD	BAK
4	10.01.25	100% CD	BAK

ENGINEER SEAL

PREPARED FOR
T-Mobile
Stick Together
1855 GATEWAY BLVD.
CONCORD, CA 94503

SITE NUMBER
SVB0041A

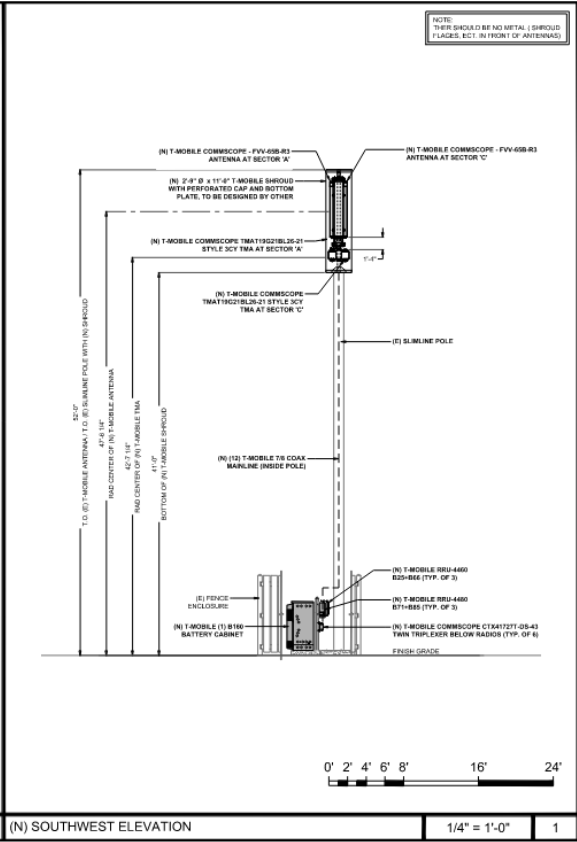
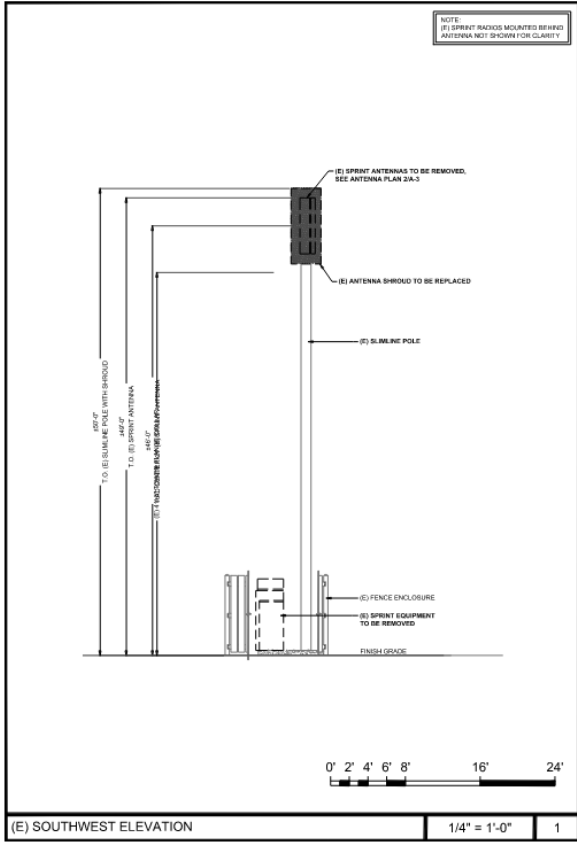
SITE NAME
SNA50C136-CATHEDRAL OAKS

SITE ADDRESS
4800 CATHEDRAL OAKS RD.
SANTA BARBARA, CA 93110

DRAWING FOR
CONSTRUCTION

SHEET NAME
ELEVATIONS

SHEET NUMBER
A-6



PREPARED BY

NETWORK CONNEX
655 N. CENTRAL AVE., SUITE 1000
SUNNYVALE, CA 95088
OFFICE: (916) 44-8200 FAX: (916) 445-0100
www.networkconnex.com

DESIGN REVISIONS	REV.	DATE	DESCRIPTION	BY
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1	01.30.25	100X	CD	BAW
2	04.08.25	100X	CD	BAW
3	06.18.25	100X	CD	BAW
4	09.01.25	100X	CD	BAW

ENGINEER SEAL

PREPARED FOR

T-Mobile
Stick Together.
1855 GATEWAY BLVD.
COSTA MESA, CA 94020

SITE NUMBER
SVR0041A

SITE NAME
SNA50C136-CATHEDRAL OAKS

SITE ADDRESS
4800 CATHEDRAL OAKS RD.
SANTA BARBARA, CA 93110

DRAWING FOR
CONSTRUCTION

SHEET NAME
ELEVATIONS

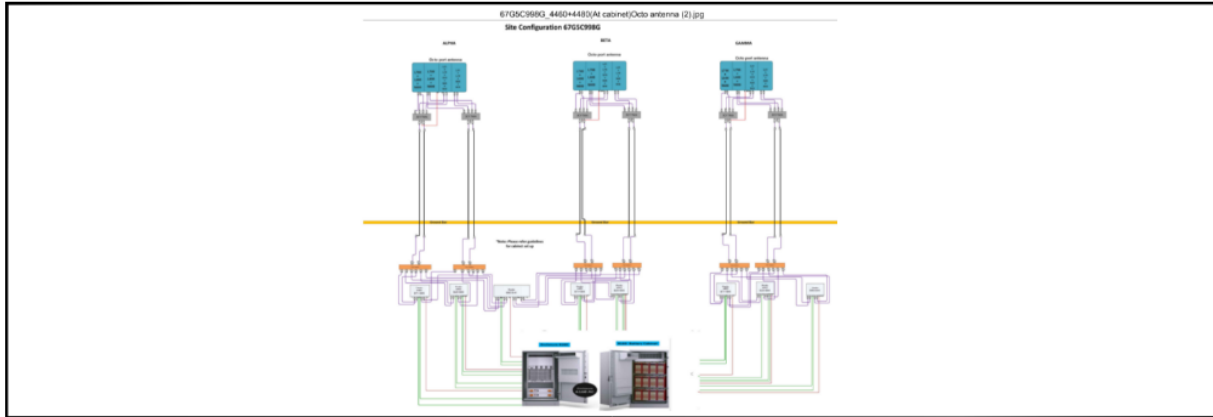
SHEET NUMBER
A-7

(E) SOUTHWEST ELEVATION

1/4" = 1'-0" 1

(N) SOUTHWEST ELEVATION

1/4" = 1'-0" 1



PREPARED BY
NETWORK CONNEX
666 N. CENTRAL AVE., SUITE 1600
DENVILLE, CA 95033
OFFICE: (916) 842-2874 FAX: (916) 842-0768
www.networkconnex.com

DESIGN REVISIONS	REV#	DATE	DESCRIPTION	BY
	0	12.19.24	100% CD	BAK
	1	01.30.25	100% CD	BAK
	2	04.08.25	100% CD	BAK
	3	06.18.25	100% CD	BAK
	4	10.01.25	100% CD	BAK



(N) PLUMBING DIAGRAM SCALE: N/A 2

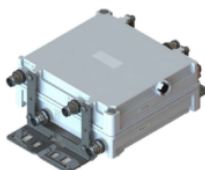




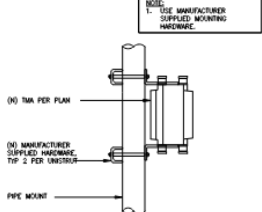
SECTOR	AZIMUTH	RAD CENTER	TECHNOLOGY	NEW ANTENNA SCHEDULE														
				ANTENNA			RRU/SMART BIASED			COAX JUMPER		FIBER JUMPER		HCS/COAX CABLE		POWER		
				MODEL NO.	SIZE	QTY.	TYPE	QTY.	LENGTH	QTY.	LENGTH	QTY.	SIZE & TYPE	LENGTH	QTY.	SIZE & TYPE	LENGTH	QTY.
SECTOR A1	0°	147'-0"	L986, L790, N689, N1900, N2000, L1990, L2100	FVV-626-R3 (OCTO)	72"	1	RRU-4880 871-880 & RRU-4880 825-866 & RRU-4880 825-866 COMMSCOPE TMAT192218L26-31 STYLE 3CY T8AA COMMSCOPE CTX417277-08-43 TWIN TRIPLEXER	1 1 3	TO DM 8FT DN MALE 8FT	24 8	JUMPER 8FT SURVEILLANCE 4.5 TO DM JUMPER 8FT SURVEILLANCE 4.5 TO DM R/F JUMPER 12FT 4.5 TO DM	8 8	7/8" COAX	385'-0"	4	DC POWER CABLE & BONDING JUMPER	860	1
SECTOR B1	130°	147'-0"	L986, L790, N689, N1900, N2000, L1990, L2100	FVV-626-R3 (OCTO)	72"	1	RRU-4880 871-880 & RRU-4880 825-866 & RRU-4880 825-866 COMMSCOPE TMAT192218L26-31 STYLE 3CY T8AA COMMSCOPE CTX417277-08-43 TWIN TRIPLEXER	1 1 2	TO DM 8FT DN MALE 8FT	24 8	JUMPER 8FT SURVEILLANCE 4.5 TO DM JUMPER 8FT SURVEILLANCE 4.5 TO DM R/F JUMPER 12FT 4.5 TO DM	8 8	7/8" COAX	385'-0"	4	DC POWER CABLE & BONDING JUMPER	860	1
SECTOR C1	240°	147'-0"	L986, L790, N689, N1900, N2000, L1990, L2100	FVV-626-R3 (OCTO)	72"	1	RRU-4880 871-880 & RRU-4880 825-866 & RRU-4880 825-866 COMMSCOPE TMAT192218L26-31 STYLE 3CY T8AA COMMSCOPE CTX417277-08-43 TWIN TRIPLEXER	1 1 2	TO DM 8FT DN MALE 8FT	24 8	JUMPER 8FT SURVEILLANCE 4.5 TO DM JUMPER 8FT SURVEILLANCE 4.5 TO DM R/F JUMPER 12FT 4.5 TO DM	8 8	7/8" COAX	385'-0"	4	DC POWER CABLE & BONDING JUMPER	860	1
SHARED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL						3				20		36		42		-		1

CL TO REFER TO FINAL APPROVED RFDS FOR LATEST SCHEDULE

(N) ANTENNA SCHEDULE SCALE: N/A 1

PREPARED FOR
Mobile Stick Together
1855 GATEWAY BLVD.
CONCORD, CA 94520

SITE NUMBER: SVR041A
SITE NAME: SN450C135-CATHEDRAL OAKS
SITE ADDRESS: 4800 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110
DRAWING FOR: CONSTRUCTION
SHEET NAME: PLUMBING DIAGRAM & ANTENNA SCHEDULE
SHEET NUMBER: A-8

<p>MANUFACTURER: COMMSCOPE MODEL NO: TMA19G21BL26-21 STYLE 3CY DIMENSIONS (WxHxD): 9.7" x 10" x 4.2" WEIGHT (lbs): 15.87</p> 	<p>MANUFACTURER: COMMSCOPE MODEL NO.: CTX41727T-DS-43 DIMENSIONS (WxHxD): 9.7" x 9.87" x 4.2" WEIGHT (lbs): 15.36</p> 	<p>MANUFACTURER: COMMSCOPE (6 PORT) MODEL NO.: FVV-65B-R3 WIDTH: 200 MM 7.874 IN DEPTH: 191 MM 7.520 IN LENGTH: 100 MM 3.937 IN NET WEIGHT, ANTENNA ONLY: 19.6 KG 43.211 LB</p> 	<p>PREPARED BY: NETWORK CONNEX 466 N. CENTRAL AVE., SUITE 1500 IRVINE, CA 92614 OFFICE: (949) 640-0800 FAX: (949) 640-0768 www.networkconnex.com</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>02.19.24</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>1</td> <td>01.30.25</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>2</td> <td>04.08.25</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>3</td> <td>06.18.25</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>4</td> <td>09.01.25</td> <td>100% CD</td> <td>BAK</td> </tr> </tbody> </table> <p>ENGINEER SEAL:</p> 	REV	DATE	DESCRIPTION	BY	0	02.19.24	100% CD	BAK	1	01.30.25	100% CD	BAK	2	04.08.25	100% CD	BAK	3	06.18.25	100% CD	BAK	4	09.01.25	100% CD	BAK
REV	DATE	DESCRIPTION	BY																								
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2	04.08.25	100% CD	BAK																								
3	06.18.25	100% CD	BAK																								
4	09.01.25	100% CD	BAK																								
<p>TWIN DIPLEX DETAIL</p>	<p>N.T.S. 6</p>	<p>TWIN TRIPLEXER DETAILS</p>	<p>N.T.S. 5</p>	<p>FVV-65B-R3 ANTENNA SPECS</p>	<p>N.T.S. 4</p>	<p>PREPARED FOR: -Mobile- Stick Together 1855 GATEWAY BLVD. CONCORD, CA 94520</p> <p>SITE NUMBER: SVB0341A SITE NAME: ENMXC136-CATHEDRAL OAKS SITE ADDRESS: 4800 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110</p> <p>DRAWING FOR: CONSTRUCTION</p> <p>SHEET NAME: DETAILS AND SPECS</p> <p>SHEET NUMBER: D-1</p>																					
<p>MANUFACTURER: ANDREW MODEL NO.: P040-0039 • SUITABLE FOR ATTACHMENT TO 3/4"-6 IN OR 89-185 MM OUTER DIAMETER PIPE • COMPATIBLE WITH SHROUD CONCEALMENT SHROUDS WITH INNER DIAMETER + 23.6 IN (607MM) • MINIMUM SHROUD DIAMETER IS THE SAME FOR ALL APPLICABLE PIPE DIAMETERS</p> 	<p>NOTE: 1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.</p> 	<p>DESIGN CRITERIA:</p> <p>1. WIND DESIGN DATA</p> <p>ULTIMATE WIND VELOCITY = 92 MPH EXPOSURE = C</p> <p>2. SEISMIC DESIGN DATA</p> <p>RTE CLASS = D RISK CATEGORY = E SEISMIC IMPORTANCE FACTOR (I_s) = 1.0 MAPPED SPECTRAL RESPONSES S_s = 2.220 S₁ = 0.780 S₂ = 1.778 SEISMIC DESIGN CATEGORY = E RESPONSE MODIFICATION (R_p) = 2.5 AMPLIFICATION FACTOR (a_{ps}) = 1.0</p> <p>FINAL PENDING.</p>	<p>ANTENNA MOUNT ASSEMBLY (P040-0039)</p> <p>N.T.S. 6</p> <p>TMA MOUNT</p> <p>N.T.S. 2</p> <p>DESIGN CRITERIA</p> <p>N.T.S. 1</p>																								

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WASHERS 1/2"</td> <td>0</td> <td>EA</td> <td>0.13</td> <td>2.26</td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="7">VARIABLE PARTS TABLE</th> </tr> <tr> <th>ASSEMBLY NO.</th> <th>QTY</th> <th>PART NO.</th> <th>LENGTH</th> <th>UNIT</th> <th>WT</th> <th>TOTAL WEIGHT</th> </tr> </thead> <tbody> <tr> <td>DCP10K</td> <td>4</td> <td>DCP10K</td> <td>18"</td> <td>EA</td> <td>6.27</td> <td>25.08</td> </tr> </tbody> </table> <p>MANUFACTURER: NOKIA MODEL NO: IXRE DIMENSIONS, WxD: 19.0x13.1" WEIGHT: 20.05A</p>	PARTS LIST							ITEM NO.	PART NO.	PART DESCRIPTION	LENGTH	UNIT	WT	NET WT	1	1	CLAMP 1/2" THICK 3.30"	0	EA	2.60	19.70	2	2	SPR. WASHERS 1/2"	0	EA	0.13	2.26	3	3	SPR. WASHERS 1/2"	0	EA	0.13	2.26	4	4	SPR. WASHERS 1/2"	0	EA	0.13	2.26	5	5	SPR. WASHERS 1/2"	0	EA	0.13	2.26	6	6	SPR. WASHERS 1/2"	0	EA	0.13	2.26	7	7	SPR. WASHERS 1/2"	0	EA	0.13	2.26	8	8	SPR. WASHERS 1/2"	0	EA	0.13	2.26	9	9	SPR. WASHERS 1/2"	0	EA	0.13	2.26	10	10	SPR. WASHERS 1/2"	0	EA	0.13	2.26	11	11	SPR. WASHERS 1/2"	0	EA	0.13	2.26	12	12	SPR. WASHERS 1/2"	0	EA	0.13	2.26	13	13	SPR. WASHERS 1/2"	0	EA	0.13	2.26	14	14	SPR. WASHERS 1/2"	0	EA	0.13	2.26	15	15	SPR. WASHERS 1/2"	0	EA	0.13	2.26	16	16	SPR. WASHERS 1/2"	0	EA	0.13	2.26	17	17	SPR. WASHERS 1/2"	0	EA	0.13	2.26	18	18	SPR. WASHERS 1/2"	0	EA	0.13	2.26	19	19	SPR. WASHERS 1/2"	0	EA	0.13	2.26	20	20	SPR. WASHERS 1/2"	0	EA	0.13	2.26	21	21	SPR. WASHERS 1/2"	0	EA	0.13	2.26	22	22	SPR. WASHERS 1/2"	0	EA	0.13	2.26	23	23	SPR. WASHERS 1/2"	0	EA	0.13	2.26	24	24	SPR. WASHERS 1/2"	0	EA	0.13	2.26	25	25	SPR. WASHERS 1/2"	0	EA	0.13	2.26	26	26	SPR. WASHERS 1/2"	0	EA	0.13	2.26	27	27	SPR. WASHERS 1/2"	0	EA	0.13	2.26	28	28	SPR. WASHERS 1/2"	0	EA	0.13	2.26	29	29	SPR. WASHERS 1/2"	0	EA	0.13	2.26	30	30	SPR. WASHERS 1/2"	0	EA	0.13	2.26	31	31	SPR. WASHERS 1/2"	0	EA	0.13	2.26	32	32	SPR. WASHERS 1/2"	0	EA	0.13	2.26	33	33	SPR. WASHERS 1/2"	0	EA	0.13	2.26	34	34	SPR. WASHERS 1/2"	0	EA	0.13	2.26	35	35	SPR. WASHERS 1/2"	0	EA	0.13	2.26	36	36	SPR. WASHERS 1/2"	0	EA	0.13	2.26	37	37	SPR. WASHERS 1/2"	0	EA	0.13	2.26	38	38	SPR. WASHERS 1/2"	0	EA	0.13	2.26	39	39	SPR. WASHERS 1/2"	0	EA	0.13	2.26	40	40	SPR. WASHERS 1/2"	0	EA	0.13	2.26	41	41	SPR. WASHERS 1/2"	0	EA	0.13	2.26	42	42	SPR. WASHERS 1/2"	0	EA	0.13	2.26	43	43	SPR. WASHERS 1/2"	0	EA	0.13	2.26	44	44	SPR. WASHERS 1/2"	0	EA	0.13	2.26	45	45	SPR. WASHERS 1/2"	0	EA	0.13	2.26	46	46	SPR. WASHERS 1/2"	0	EA	0.13	2.26	47	47	SPR. WASHERS 1/2"	0	EA	0.13	2.26	48	48	SPR. WASHERS 1/2"	0	EA	0.13	2.26	49	49	SPR. WASHERS 1/2"	0	EA	0.13	2.26	50	50	SPR. WASHERS 1/2"	0	EA	0.13	2.26	51	51	SPR. WASHERS 1/2"	0	EA	0.13	2.26	52	52	SPR. WASHERS 1/2"	0	EA	0.13	2.26	53	53	SPR. WASHERS 1/2"	0	EA	0.13	2.26	54	54	SPR. WASHERS 1/2"	0	EA	0.13	2.26	55	55	SPR. WASHERS 1/2"	0	EA	0.13	2.26	56	56	SPR. WASHERS 1/2"	0	EA	0.13	2.26	57	57	SPR. WASHERS 1/2"	0	EA	0.13	2.26	58	58	SPR. WASHERS 1/2"	0	EA	0.13	2.26	59	59	SPR. WASHERS 1/2"	0	EA	0.13	2.26	60	60	SPR. WASHERS 1/2"	0	EA	0.13	2.26	61	61	SPR. WASHERS 1/2"	0	EA	0.13	2.26	62	62	SPR. WASHERS 1/2"	0	EA	0.13	2.26	63	63	SPR. WASHERS 1/2"	0	EA	0.13	2.26	64	64	SPR. WASHERS 1/2"	0	EA	0.13	2.26	65	65	SPR. WASHERS 1/2"	0	EA	0.13	2.26	66	66	SPR. WASHERS 1/2"	0	EA	0.13	2.26	67	67	SPR. WASHERS 1/2"	0	EA	0.13	2.26	68	68	SPR. WASHERS 1/2"	0	EA	0.13	2.26	69	69	SPR. WASHERS 1/2"	0	EA	0.13	2.26	70	70	SPR. WASHERS 1/2"	0	EA	0.13	2.26	71	71	SPR. WASHERS 1/2"	0	EA	0.13	2.26	72	72	SPR. WASHERS 1/2"	0	EA	0.13	2.26	73	73	SPR. WASHERS 1/2"	0	EA	0.13	2.26	74	74	SPR. WASHERS 1/2"	0	EA	0.13	2.26	75	75	SPR. WASHERS 1/2"	0	EA	0.13	2.26	76	76	SPR. WASHERS 1/2"	0	EA	0.13	2.26	77	77	SPR. WASHERS 1/2"	0	EA	0.13	2.26	78	78	SPR. WASHERS 1/2"	0	EA	0.13	2.26	79	79	SPR. WASHERS 1/2"	0	EA	0.13	2.26	80	80	SPR. WASHERS 1/2"	0	EA	0.13	2.26	81	81	SPR. WASHERS 1/2"	0	EA	0.13	2.26	82	82	SPR. WASHERS 1/2"	0	EA	0.13	2.26	83	83	SPR. WASHERS 1/2"	0	EA	0.13	2.26	84	84	SPR. WASHERS 1/2"	0	EA	0.13	2.26	85	85	SPR. WASHERS 1/2"	0	EA	0.13	2.26	86	86	SPR. WASHERS 1/2"	0	EA	0.13	2.26	87	87	SPR. WASHERS 1/2"	0	EA	0.13	2.26	88	88	SPR. WASHERS 1/2"	0	EA	0.13	2.26	89	89	SPR. WASHERS 1/2"	0	EA	0.13	2.26	90	90	SPR. WASHERS 1/2"	0	EA	0.13	2.26	91	91	SPR. WASHERS 1/2"	0	EA	0.13	2.26	92	92	SPR. WASHERS 1/2"	0	EA	0.13	2.26	93	93	SPR. WASHERS 1/2"	0	EA	0.13	2.26	94	94	SPR. WASHERS 1/2"	0	EA	0.13	2.26	95	95	SPR. WASHERS 1/2"	0	EA	0.13	2.26	96	96	SPR. WASHERS 1/2"	0	EA	0.13	2.26	97	97	SPR. WASHERS 1/2"	0	EA	0.13	2.26	98	98	SPR. WASHERS 1/2"	0	EA	0.13	2.26	99	99	SPR. WASHERS 1/2"	0	EA	0.13	2.26	100	100	SPR. WASHERS 1/2"	0	EA	0.13	2.26	VARIABLE PARTS TABLE							ASSEMBLY NO.	QTY	PART NO.	LENGTH	UNIT	WT	TOTAL WEIGHT	DCP10K	4	DCP10K	18"	EA	6.27	25.08	<p>ERICSSON BASEBAND UNIT RP 6651</p> <p>DIMENSIONS: 19.0" x 13.1" WEIGHT: 20.05A</p>	<p>PREPARED BY</p> <p>NETWORK CONNEX</p> <p>488 N. CENTRAL AVE., SUITE 1500 FURNACE, CA 91705 OFFICE: (916) 841-0200 FAX: (916) 841-0100 www.networkconnex.com</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>2.19.24</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>1</td> <td>01.30.25</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>2</td> <td>04.08.25</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>3</td> <td>6.18.25</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>4</td> <td>0.01.25</td> <td>100% CD</td> <td>BAK</td> </tr> </tbody> </table> <p>ENGINEER SEAL</p>	REV.	DATE	DESCRIPTION	BY	0	2.19.24	100% CD	BAK	1	01.30.25	100% CD	BAK	2	04.08.25	100% CD	BAK	3	6.18.25	100% CD	BAK	4	0.01.25	100% CD	BAK
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<p>PIPE-TO-PIPE CLAMP DETAILS</p> <p>N.T.S. 6</p> <p>MANUFACTURER: ERICSSON MODEL NO.: RRU-8863 B41 DIMENSIONS (HxWxD): 13.18" x 10.43" x 4.88" WEIGHT (lbs): 7.02</p>	<p>IXRE ROUTER</p> <p>N.T.S. 5</p> <p>MANUFACTURER: ERICSSON MODEL NO.: RRU-4460 B25+B66 DIMENSIONS (HxWxD): 18.8" x 15.7" x 12.1" WEIGHT (lbs): 198</p>	<p>ERICSSON BASEBAND RP 6651 DETAIL</p> <p>N.T.S. 4</p> <p>MANUFACTURER: ERICSSON MODEL NO.: RRU-4480 B71+B85A DIMENSIONS (HxWxD): 19.8" x 15.1" x 7.8" WEIGHT (lbs): 87</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
<p>ERICSSON RRU-8863 B41 DETAIL</p> <p>N.T.S. 3</p>	<p>ERICSSON RRU-4460 B25+B66 SPECS</p> <p>N.T.S. 2</p>	<p>ERICSSON RRU-4480 B71+B85A SPECS</p> <p>N.T.S. 1</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

PREPARED FOR

Mobile Stick Together

1855 GATEWAY BLVD.
CORONAL, CA 94020

SITE NUMBER: SVB0041A

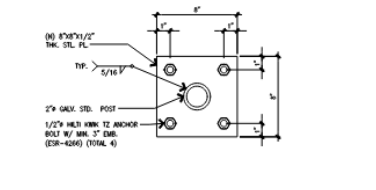
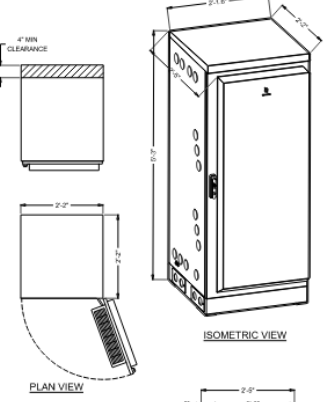
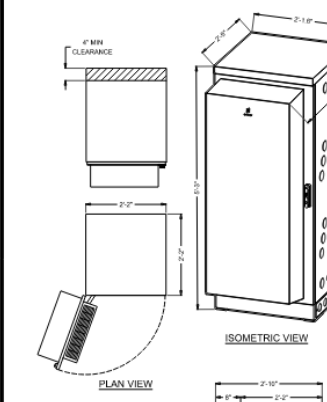

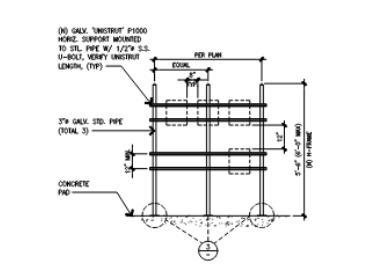
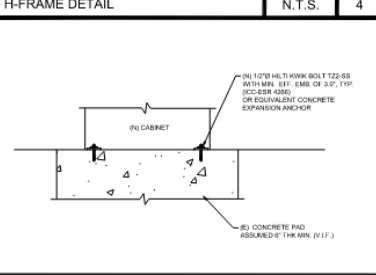
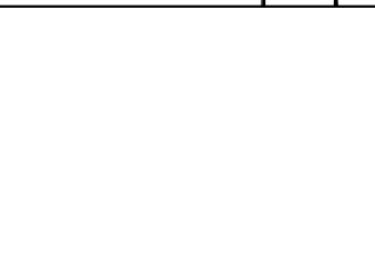
SITE NAME: SNAKOC 135-CATHEDRAL OAKS

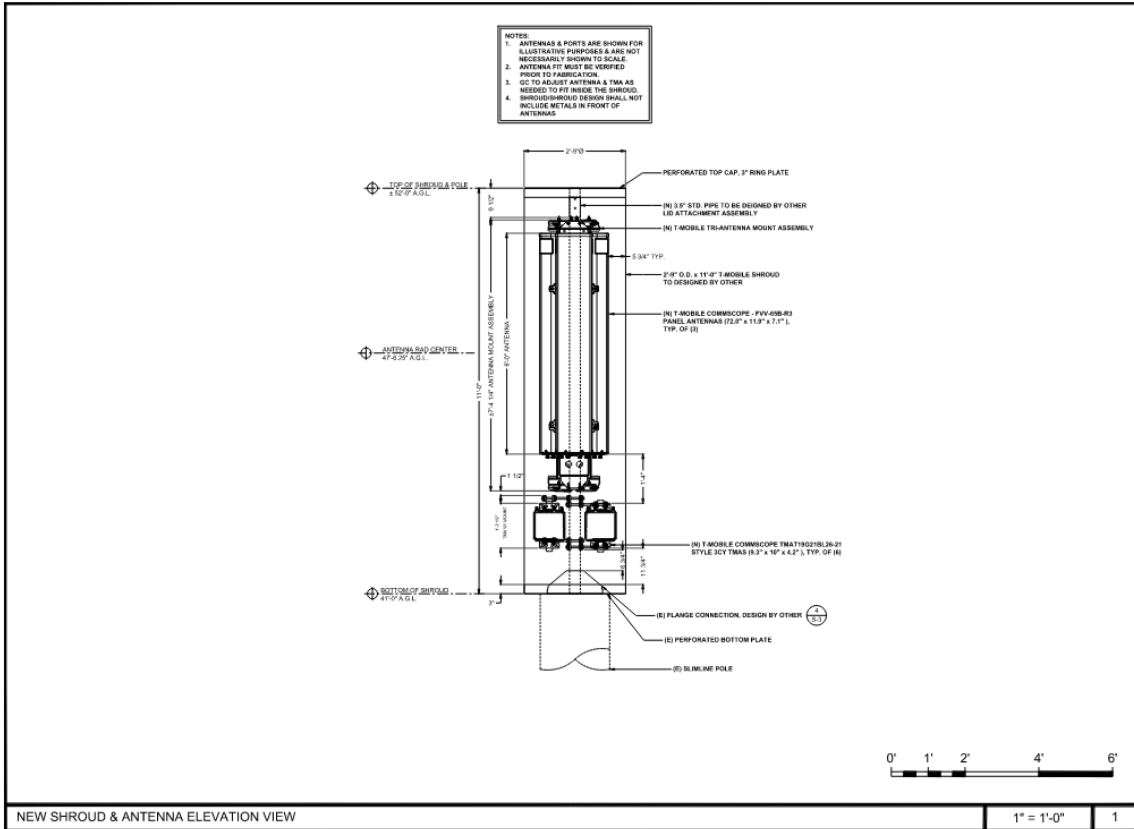
SITE ADDRESS: 4800 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110

DRAWING FOR: CONSTRUCTION

SHEET NAME: DETAILS AND SPECS

SHEET NUMBER: D-2

 <p>H-FRAME BASE PLATE DETAIL N.T.S. 5</p>	<p>MANUFACTURER: ERICSSON MODEL NO.: B160 DIMENSIONS (H/W/D): 67" x 28" x 22" (W/ 6" PLINTH) EMPTY CABINET WEIGHT (LBS): 400 RACK SPACE: 19U MAX WEIGHT (LBS): 4250</p> <p>NOTES: 1. CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL KNOCKOUTS THROUGH. 2. CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLES.</p>  <p>ISOMETRIC VIEW PLAN VIEW FRONT VIEW RIGHT SIDE VIEW</p>	<p>MANUFACTURER: ERICSSON MODEL NO.: 6160 DIMENSIONS (H/W/D): 67" x 25" x 33" (W/ 6" PLINTH) EMPTY CABINET WEIGHT (LBS): 383 RACK SPACE: 19U MAX WEIGHT (LBS): 4770</p> <p>NOTES: 1. CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL KNOCKOUTS THROUGH. 2. CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLES.</p>  <p>ISOMETRIC VIEW PLAN VIEW FRONT VIEW RIGHT SIDE VIEW</p>	<p>PREPARED BY: NETWORK CONNEX 4856 CATHEDRAL AVENUE, SUITE 1000 SHERMAN, CA 93703 OFFICE: (562) 644-8855 FAX: (562) 644-0799 www.networkconnex.com</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REVISION</th> <th>REVISION DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>2-19-24</td> <td>100% CD</td> <td>BAK/USA</td> </tr> <tr> <td>1</td> <td>01-30-25</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>2</td> <td>04-08-25</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>3</td> <td>6-18-25</td> <td>100% CD</td> <td>BAK</td> </tr> <tr> <td>4</td> <td>09-01-25</td> <td>100% CD</td> <td>BAK</td> </tr> </tbody> </table> <p>ENGINEER SEAL: </p> <p>PREPARED FOR: Mobile Together 1855 GATEWAY BLVD. CORONADO, CA 94520</p> <p>SITE NUMBER: SV03041A SITE NAME: SHMDC 126-CATHEDRAL OAKS SITE ADDRESS: 4800 CATHEDRAL OAKS RD SANTA BARBARA, CA 93110</p> <p>DRAWING FOR: CONSTRUCTION SHEET NAME: DETAILS AND SPECS SHEET NUMBER: D-3</p>	REVISION	REVISION DATE	DESCRIPTION	BY	0	2-19-24	100% CD	BAK/USA	1	01-30-25	100% CD	BAK	2	04-08-25	100% CD	BAK	3	6-18-25	100% CD	BAK	4	09-01-25	100% CD	BAK
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3	6-18-25	100% CD	BAK																								
4	09-01-25	100% CD	BAK																								
<p>CABINET MOUNTING DETAILS N.T.S. 3</p>  <p>H-FRAME DETAIL N.T.S. 4</p>  <p>CABINET MOUNTING DETAILS N.T.S. 3</p> 	<p>ERICSSON B160 CABINET DETAIL N.T.S. 2</p>	<p>ERICSSON 6160 CABINET DETAIL N.T.S. 1</p>																									



NOTES:
 1. ANTENNAS & PORTS ARE SHOWN FOR ILLUSTRATIVE PURPOSES & ARE NOT NECESSARILY SHOWN TO SCALE.
 2. ANTENNA FIT MUST BE VERIFIED PRIOR TO FABRICATION.
 3. GC TO ADJUST ANTENNA & TMA AS NEEDED TO FIT INSIDE THE SHROUD. SHROUD/SHROUD DESIGN SHALL NOT INCLUDE METALS IN FRONT OF ANTENNAS.
 4. SHROUD/SHROUD DESIGN SHALL NOT INCLUDE METALS IN FRONT OF ANTENNAS.

PREPARED BY
NETWORK CONNEX
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 BIRDMARZ, CA 91103
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 www.networkconnex.com

REV	DATE	DESCRIPTION	BY	CHK
0	12-19-24	100% CD	BAW	BAW
1	01-30-25	100% CD	BAW	BAW
2	04-08-25	100% CD	BAW	BAW
3	01-18-25	100% CD	BAW	BAW
4	03-01-25	100% CD	BAW	BAW



PREPARED FOR
Mobile Stick Together
 1855 GARDNER ROAD
 CONCORD, CA 94530

SITE NUMBER: SV88241A

SITE NAME: SHROUD 19-CATHEDRAL OAKS

SITE ADDRESS: 4800 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110

DRAWING FOR: CONSTRUCTION

SHEET NAME: DETAILS AND SPECS

SHEET NUMBER: **D-4**



NEW SHROUD & ANTENNA ELEVATION VIEW 1" = 1'-0" 1

NSB 190FT Red Battery®

Long float life at elevated temperatures



Red Star Technology® uses pure lead plates to deliver exceptionally long float life even at elevated temperatures.

- Pure lead AGM technology delivers long float life for telecom applications even at elevated temperatures
- 15 year float life at 20°C (68°F)
- ELROBAT design life definition: Long Life (12+ years)
- High energy density
- Operating temperature range: -4°C to +65°C (-40°F to 149°F)
- State-of-the-art automated manufacturing ensures consistency and reliability
- Advanced 3 stage terminal design to ensure leak-free operation - female (M8) brass terminals provide maximum performance
- 2 year shelf life at 25°C (77°F)
- High modulus Polyethylene Oxide (PEO) plastic materials designed to withstand extended elevated operating temperatures and maintain high battery compression essential for reliable operation
- Non-hydrogenated, thermally sealed plastic casing - Flame retardant (UL 94 V0) and LCD of at least 28%
- Integral handles and front access terminals ensure ease of installation and maintenance
- Approved as non-hazardous cargo for ground, sea, and air transport - DOT 48DPR173, 158B, (i) and (ii)

Visit our website to find out more www.northstarbattery.com



NSB 190FT Red Battery®

Nominal Technical Specifications



Electrical

	International Standard 20°C (68°F)	North American Standard 25°C (77°F)
8 hour capacity @ 1.75 VPC	1168 Ah	1191 Ah
10 hour capacity @ 1.80 VPC	1000 Ah	1022 Ah
Float Voltage	2.26 +/- 0.02 VPC	2.27 +/- 0.02 VPC
Nominal Voltage	12 V	
Impedance (18kHz)	2.2 mΩ @ 20°C (77°F)	
Conductance	2.463 S	
Short-Circuit Current	9,000 A	

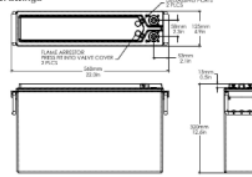
Dimensions

Height	380 mm (12.6 in)	Weight	60 kg (132 lbs)
Width	125 mm (4.9 in)	Terminal	Female M8 x 1.25
Depth	560 mm (22.0 in)	Terminal Torque	8.0 Nm (7.1 in-lb)

Ah Capacity Ratings @ 25°C (77°F)

Capacity Discharge / hours	1	2	4	8	10
Capacity @ 25°C / Ah	150	167	181	191	192
End of Discharge / VPC	1.70	1.75	1.75	1.75	1.80

Drawings



All NorthStar batteries are compliant with Telcordia GR-428, EC 60950, Bellcore GR-63 Core, Issue 1, British Standard, and Russian-telecom standards. UL approved. NorthStar is registered to ISO 9001 and ISO 14001.

- NorthStar Americas**
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Springfield, MD 20683
United States of America
usa@northstarbattery.com
Tel: +1 417 576 9200
Fax: +1 417 575 8250
- NorthStar Europe**
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Sofström Väg 44
SE-190 07 Sollentuna
Stockholm, Sweden
eu@northstarbattery.com
Tel: +46 8 638 08 00
Fax: +46 8 638 08 00
- NorthStar Middle East, Africa**
Central Sweden AB, Lebanon
Orfika P.O. Box 1 Tower
Jumrah-Lake Towers, Dubai
United Arab Emirates
mea@northstarbattery.com
Tel: +971 4 423 8500
Fax: +971 4 423 8061
- NorthStar Asia/Pacific**
10 Joo Kee Road, Sing
Level 20, Mezzanine (Standard Chamber)
Kuala Lumpur, Malaysia
asia@northstarbattery.com
Tel: +60 3 2117 9294

www.northstarbattery.com



NOTES:

1. ALL (S) T-MOBILE BATTERIES WILL BE REMOVED AND REPLACED WITH (N) T-MOBILE BATTERIES.
2. THE TOTALITY OF (N) T-MOBILE BATTERIES FOR THIS SITE WILL BE INSTALLED INSIDE (N) T-MOBILE B140 BATTERY CABINET.
3. FOR THIS SITE, T-MOBILE WILL BE INSTALLING (2) STRINGS OF (4) BATTERY CELLS EACH, FOR A TOTAL OF (12) BATTERY CELLS, ALL INSTALLED INSIDE THE (N) T-MOBILE B140 BATTERY CABINET.
4. FOR THIS SITE, T-MOBILE WILL BE USING NORTHSTAR NSB 190FT RED BATTERY CELL, USING PURE LEAD AGM TECHNOLOGY. SPECIFICATIONS CAN BE FOUND ON THIS SHEET.
5. FOR THIS SITE, BASED ON THE MANUFACTURER SPEC SHEET PROVIDED ON THIS SHEET, NOMINAL VOLTAGE IS 12V, AND MAX. AMPERAGE-HOUR IS 192Ah. THEREFORE, FOR (1) (N) BATTERY CELL, THE MAX. kWh IS 12X192/1000 = 2.31 kWh/PER CFC 2019 TABLE 126.2 FOOTNOTE A.
6. FOR THIS SITE, BASED ON PREVIOUS CALCULATIONS, THE TOTAL MAX. CAPACITY FOR THE (12) (N) BATTERY CELLS IS 12X2.31 = 27.72 kWh.
7. WITH A MAX. TOTAL OF 27.72 kWh FOR THE (12) (N) BATTERY CELLS, THIS SITE IS THEREFORE BELOW THE BATTERY STORAGE SYSTEM THRESHOLD OF 70 kWh FOR LEAD ACID BATTERIES, PER CFC 2019 TABLE 126.2.

(N) LEAD BATTERY SPECIFICATIONS

N.T.S.

1

PREPARED BY

NETWORK CONNEX
488 N. CENTRAL AVE., SUITE 1000
OAKDALE, CA 91301
OFFICE: (818) 841-9900 FAX: (818) 844-9768
www.networkconnex.com

DESIGN REVISION	REV	DATE	DESCRIPTION	BY
0	12.19.24		100% CD	BAK OJA
1	01.30.25		100% CD	BAK
2	04.08.25		100% CD	BAK
3	06.18.25		100% CD	BAK
4	10.01.25		100% CD	BAK

ENGINEER SEAL

PREPARED FOR

Mobile
Stick Together
1855 GARDNER BLVD.
CORONADO, CA 94020

SITE NUMBER: SW0391A

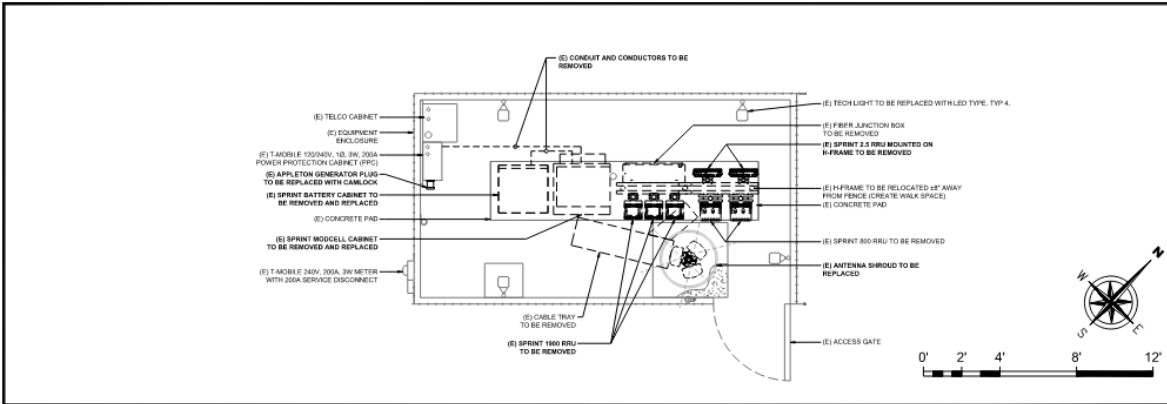
SITE NAME: SHMDC135-CATHEDRAL OAKS

SITE ADDRESS: 480 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110

DRAWING FOR: CONSTRUCTION

SHEET NAME: BATTERY SPECS

SHEET NUMBER: D-5



PREPARED BY

NETWORK CONNEX

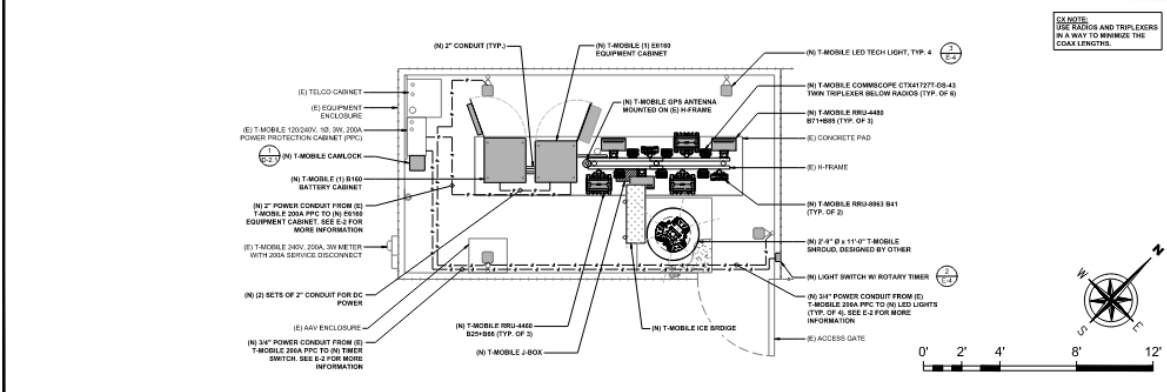
666 N. CENTRAL AVE., SUITE 1000
SANTA ANA, CA 92705
OFFICE: (949) 464-3300 FAX: (949) 464-3100
www.networkconnex.com

DESIGN REVISIONS	REV.	DATE	DESCRIPTION	BY	CHK
0	12-19-24	1008	CD	BAW	DM
1	01-30-25	1008	CD	BAW	
2	04-08-25	1008	CD	BAW	
3	6-18-25	1008	CD	BAW	
4	10-01-25	1008	CD	BAW	

ENGINEER SEAL



(E) GROUND EQUIPMENT LAYOUT PLAN 1/2" = 1'-0" 2



PREPARED FOR

Mobile Stick Together

1800 GARDEN BLVD.
CORONA, CA 92620

SITE NUMBER: SVR004A

SITE NAME: SBNMCI30-CATHEDRAL OAKS

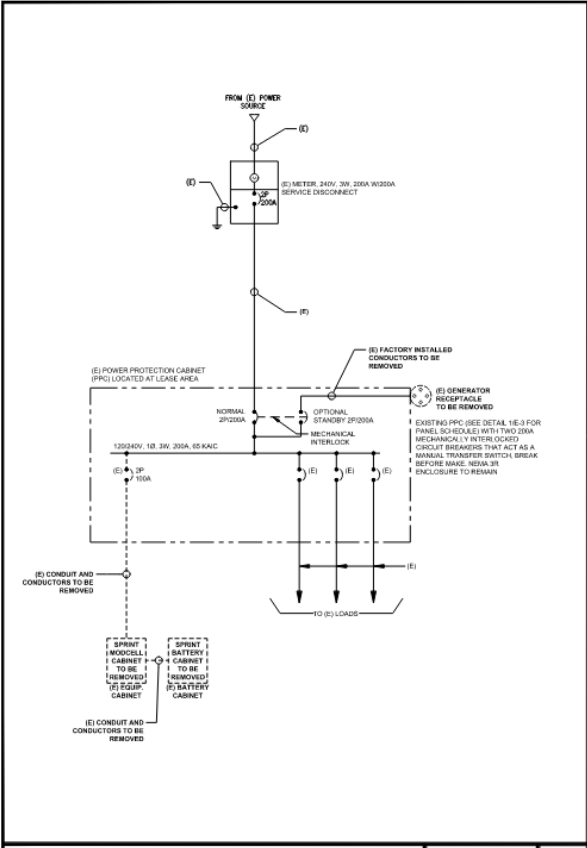
SITE ADDRESS: 4800 CATHEDRAL OAKS RD, SANTA BARBARA, CA 93110

DRAWING FOR: CONSTRUCTION

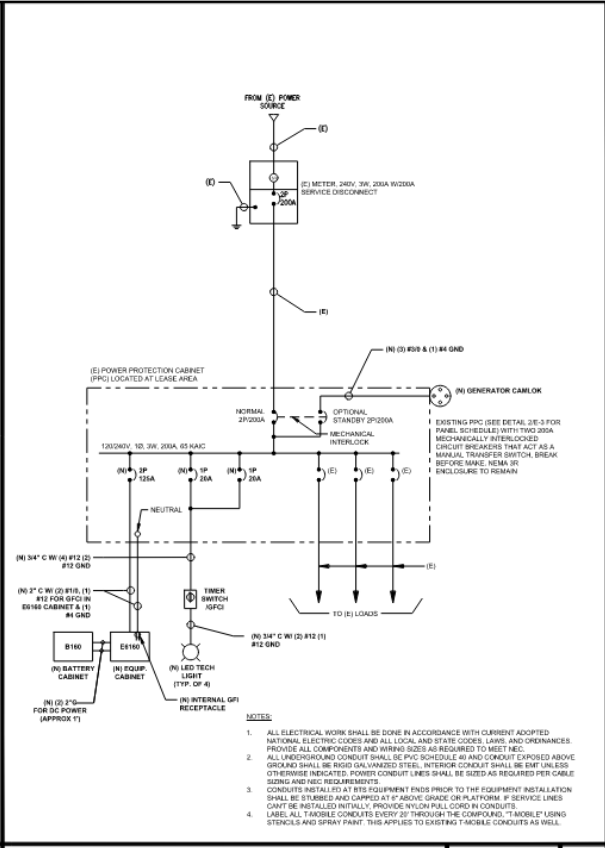
SHEET NAME: GROUND EQUIPMENT LAYOUT PLAN - ELECTRICAL

SHEET NUMBER: E-1

(N) GROUND EQUIPMENT LAYOUT PLAN 1/2" = 1'-0" 1



SCALE : NTS 1



SCALE : NTS 2

PREPARED BY

NETWORK CONNEX
 668 N. CENTRAL AVE., SUITE 1500
 FULLERTON, CA 92708
 OFFICE: (949) 844-0304 FAX: (949) 844-0100
 www.networkconnex.com

REV	DATE	DESCRIPTION	BY
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2	04.08.25	100% CD	BAK
3	06.18.25	100% CD	BAK
4	10.01.25	100% CD	BAK

ENGINEER SEAL

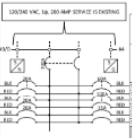
PREPARED FOR

Mobile
 Stick Together
 1855 GARWAY BLVD.
 CONCORD, CA 94502

SITE NUMBER: 5V82041A
 SITE NAME: SM45XC135-CATHEDRAL OAKS
 SITE ADDRESS: 4800 CATHEDRAL OAKS RD, SANTA BARBARA, CA 93110
 DRAWING FOR: CONSTRUCTION
 SHEET NAME: SINGLE LINE DIAGRAMS
 SHEET NUMBER: E-2

- NOTES:
1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENTLY ADOPTED NATIONAL ELECTRIC CODES AND ALL LOCAL AND STATE CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING AS REQUIRED TO MEET NEC.
 2. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 AND CONDUIT EXPOSED ABOVE GROUND SHALL BE RIGID GALVANIZED STEEL. INTERIOR CONDUIT SHALL BE EMT UNLESS OTHERWISE INDICATED. POWER CONDUIT LINES SHALL BE SIZED AS REQUIRED PER CABLE SIZING AND NEC REQUIREMENTS.
 3. CONDUITS INSTALLED AT BTS EQUIPMENT ENDS PRIOR TO THE EQUIPMENT INSTALLATION SHALL BE STRIPPED AND CAPPED AT 6" ABOVE GRADE OR PLATFORM IF SERVICE LINES CAN'T BE INSTALLED INITIALLY. PROVIDE NYLON HULL CORD IN CONDUITS.
 4. LABEL ALL TAPPING CONDUITS EVERY 20" THROUGH THE CONDUIT. "T-MOBILE" USING STENCILS AND SPRAY PAINT. THIS APPLIES TO EXISTING T-MOBILE CONDUITS AS WELL.

Panel Circuit and Load Schedule											
Description	QTY	VOLT	Load per phase (VA)			Circuit	Type	Phase	Notes	A.L.C.	Wiring
			A	B	C						
1	EXISTING	1	1,200	1,200		X	20	2	12	10,000	THW-2
2	LOAD	1	0	0		X	20	1	12	10,000	THW-2
3	SPACE	1	0	0		X	20	1	12	10,000	THW-2
4	TYPE LIGHTS	1	100	0		X	20	1	12	10,000	THW-2
5	SPACE	1	0	0		X	20	1	12	10,000	THW-2
6	SPACE	1	0	0		X	20	1	12	10,000	THW-2
7	SPACE	1	0	0		X	20	1	12	10,000	THW-2
8	SPACE	1	0	0		X	20	1	12	10,000	THW-2
9	SPACE	1	0	0		X	20	1	12	10,000	THW-2
10	SPACE	1	0	0		X	20	1	12	10,000	THW-2
11	SPACE	1	0	0		X	20	1	12	10,000	THW-2
SubTotal			0	0							
New Conductors			1,200	1,200							
Voltage: 120/240			Phase: 1			Wire: 3					
Main Breaker: 200 Amp Frame			A.L.C.: 22,500			Trip: 200 Amps					
Main Lug: 200 Amps			Main Bus: 200 Amps			A.L.C.: 22,500			Trip: 200 Amps		



SERVICE: 120/240 VAC DESCRIPTION: 1500W PANEL LOCATION: 1-MOBILE LEASE AREA											
Wiring	A.L.C.	Notes	Type	Phase	Notes	Load per phase (VA)			Wiring	QTY	Description
						A	B	C			
THW-2	10,000		2	60	X	0	0	0	2	1	SURGE
THW-2	10,000		2	60	X	0	0	0	0	1	PROPAGATED EQUIP
THW-2	10,000		2	100	X	7,500	0	0	7,500	1	EQUIPMENT CABINET
THW-2	10,000		2	15	X	180	0	0	180	1	GF-RECEPTACLE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
SubTotal			15,800	0					15,800	0	
New Conductors			180	0					180	0	
Voltage: 120/240			Phase: 1			Wire: 3					
Main Breaker: 200 Amp Frame			A.L.C.: 22,500			Trip: 200 Amps					
Main Lug: 200 Amps			Main Bus: 200 Amps			A.L.C.: 22,500			Trip: 200 Amps		

PREPARED BY

NETWORK CONNEX
162 N CENTRAL AVE, SUITE 100
ROSELAND, CA 91070
OFFICE: (916) 841-2800 FAX: (916) 848-0706
WWW.NETWORKCONNEX.COM

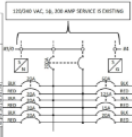
DESIGN REVISIONS

REV	DATE	DESCRIPTION	BY
0	12.18.24	100% CD	BAW
1	01.30.25	100% CD	BAW
2	04.08.25	100% CD	BAW
3	6.18.25	100% CD	BAW
4	10.01.25	100% CD	BAW

ENGINEER SEAL

(E) PANEL SCHEDULE 1

Panel Circuit and Load Schedule											
Description	QTY	VOLT	Load per phase (VA)			Circuit	Type	Phase	Notes	A.L.C.	Wiring
			A	B	C						
1	EXISTING	1	1,200	1,200		X	20	2	12	10,000	THW-2
2	LOAD	1	0	0		X	20	1	12	10,000	THW-2
3	SPACE	1	0	0		X	20	1	12	10,000	THW-2
4	TYPE LIGHTS	1	100	0		X	20	1	12	10,000	THW-2
5	SPACE	1	0	0		X	20	1	12	10,000	THW-2
6	SPACE	1	0	0		X	20	1	12	10,000	THW-2
7	SPACE	1	0	0		X	20	1	12	10,000	THW-2
8	SPACE	1	0	0		X	20	1	12	10,000	THW-2
9	SPACE	1	0	0		X	20	1	12	10,000	THW-2
10	SPACE	1	0	0		X	20	1	12	10,000	THW-2
11	SPACE	1	0	0		X	20	1	12	10,000	THW-2
SubTotal			0	0							
New Conductors			1,200	1,200							
Voltage: 120/240			Phase: 1			Wire: 3					
Main Breaker: 200 Amp Frame			A.L.C.: 22,500			Trip: 200 Amps					
Main Lug: 200 Amps			Main Bus: 200 Amps			A.L.C.: 22,500			Trip: 200 Amps		



SERVICE: 120/240 VAC DESCRIPTION: 1500W PANEL LOCATION: 1-MOBILE LEASE AREA											
Wiring	A.L.C.	Notes	Type	Phase	Notes	Load per phase (VA)			Wiring	QTY	Description
						A	B	C			
THW-2	10,000		2	60	X	0	0	0	2	1	SURGE
THW-2	10,000		2	60	X	0	0	0	0	1	PROPAGATED EQUIP
THW-2	10,000		2	100	X	13,800	0	0	13,800	1	EQUIPMENT CABINET
THW-2	10,000		2	15	X	180	0	0	180	1	GF-RECEPTACLE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
THW-2	10,000		2	15	X	180	0	0	180	1	SPACE
SubTotal			15,800	0					15,800	0	
New Conductors			180	0					180	0	
Voltage: 120/240			Phase: 1			Wire: 3					
Main Breaker: 200 Amp Frame			A.L.C.: 22,500			Trip: 200 Amps					
Main Lug: 200 Amps			Main Bus: 200 Amps			A.L.C.: 22,500			Trip: 200 Amps		

- NOTES
- REMOVE (E) CB SP118A @ SPACE #4 INCLUDING CONDUIT AND CONDUCTORS.
 - INSTALL (N) CB SP128A @ SPACE #4 TO PROVIDE POWER TO (N) LOAD.
 - INSTALL (N) CB SP128A @ SPACE #2 TO PROVIDE POWER TO (N) LIGHTS.
 - UTILIZE (E) SPACE CB SP128A @ SPACE #2 TO PROVIDE POWER TO (N) GFCI RECEPTACLE.
 - (N) CB SHOULD BE SAME TYPE AND SAME A.I.C. RATING W/ (E) CBA.

PREPARED FOR

-Mobile-
Stick Together
COMMERCIAL
COMBOD, CA 94020

SITE NUMBER: SVR5041A

SITE NAME: SMASX135-CATHEDRAL OAKS


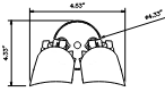

SITE ADDRESS: 4800 CATHEDRAL OAKS RD, SANTA BARBARA, CA 93110

DRAWING FOR: CONSTRUCTION

SHEET NAME: PANEL SCHEDULES

SHEET NUMBER: E-3

(N) PANEL SCHEDULE 2

 <p>TIMER SWITCH NOTES:</p> <ul style="list-style-type: none"> (1) WEATHERPROOF, MALLEABLE IRON, 2 GANG WITH 3/4" HOLES, ONE TOP AND ONE BOTTOM, 4.63" x 4.63" x 2.5" APPLIFLEX W/1/2" x 2-1/2" STRAPNER #116110 (2) IN-USE WEATHERPROOF COVER, POLYCARBONATE, 2-GANG, 2-5/8" DEPTH, INTERMATIC #MP1220C/76, GRANGER #1642 (3) GFCI/DECOAL COMPLEX RECEPTACLE, NEMA 5-20, 120V, 20A, FORK HUBBELL #07WST2020NAP, GRANGER #40460 (4) SPRING WOUND TIMER, 120V, 20A MAX, 0 SECONDS TO 90 MINUTES, W/1/2" x 2-1/2" x 1/2" INTERMATIC #T1460M, GRANGER #40216 	 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">FIXTURE SPECIFICATIONS</th> </tr> <tr> <th>DESCRIPTION</th> <th>APPROXIMATE QUANTITY</th> <th>WATTS</th> </tr> </thead> <tbody> <tr> <td>ETROSKA #100-1470-25H-160-3097-120-FF EOB</td> <td>1,700</td> <td>25</td> </tr> </tbody> </table> <p>NOTE: IS LISTED TO UL 1598 TO U.S. SAFETY STANDARDS FOR WET LOCATIONS. TESTED IN ACCORDANCE WITH ERM 18-171 AND 18-170 STANDARDS. ENERGY STAR CERTIFIED #165.</p> <p>NOTE: FIXTURE MUST BE FURNISHED WITH MOTION SENSOR AND PHOTOCELL.</p> <p>NOTE: INSTALLED FIXTURE TO AN LIGHT DOWNWARD WITHIN THE WORKING AREA. ADDITIONAL SHIELDING TO MINIMIZE LIGHT THE SPINNING AND OUTRAGED TRANSMISSION OF LIGHT TO BE APPLIED, INCLUDING BUT NOT LIMITED TO THE INCLUDED HOSE AND FABRICATED SHIELD TO COVER THE TOP OF LIGHT FIXTURE AND DIRECT LIGHT DOWNWARD. VOLT LIGHTING GUARD (MODEL 100-4L-0209-10A) OR EQUIVALENT.</p>	FIXTURE SPECIFICATIONS			DESCRIPTION	APPROXIMATE QUANTITY	WATTS	ETROSKA #100-1470-25H-160-3097-120-FF EOB	1,700	25	<p>PREPARED BY</p> <p>NETWORK CONNEX</p> <p>488 N. CENTRAL AVE., SUITE 1000 SANTA BARBARA, CA 93101 OFFICE: (805) 844-0800 FAX: (805) 844-0700 www.networkconnex.com</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>02.19.24</td> <td>100% CD</td> <td>BAW/GJA</td> </tr> <tr> <td>1</td> <td>01.20.25</td> <td>100% CD</td> <td>BAW</td> </tr> <tr> <td>2</td> <td>04.08.25</td> <td>100% CD</td> <td>BAW</td> </tr> <tr> <td>3</td> <td>05.18.25</td> <td>100% CD</td> <td>BAW</td> </tr> <tr> <td>4</td> <td>03.01.25</td> <td>100% CD</td> <td>BAW</td> </tr> </tbody> </table> <p>ENGINEER SEAL</p> 	REV	DATE	DESCRIPTION	BY	0	02.19.24	100% CD	BAW/GJA	1	01.20.25	100% CD	BAW	2	04.08.25	100% CD	BAW	3	05.18.25	100% CD	BAW	4	03.01.25	100% CD	BAW
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4	03.01.25	100% CD	BAW																																
NOT USED	SCALE: 1/8\" data-bbox="335 250 360 260">1	GFCI/TIMER SWITCH DETAIL	SCALE: 1/8\" data-bbox="435 250 460 260">2	NEW WORK LIGHT DETAIL	SCALE: 1/8\" data-bbox="605 250 630 260">3	NOT USED	SCALE: 1/8\" data-bbox="785 250 810 260">4																												
NOT USED	SCALE: 1/8\" data-bbox="495 480 520 490">5	NOT USED	SCALE: 1/8\" data-bbox="795 480 820 490">6	<p>PREPARED FOR</p> <p>T-Mobile Stick Together®</p> <p>1855 GARDEN BLVD. CORONADO, CA 92009</p> <p>SITE NUMBER: SVB0041A SHEET NAME: SNA5XG136-CATHEDRAL OAKS SHEET ADDRESS: 4800 CATHEDRAL OAKS RD, SANTA BARBARA, CA 93110 DRAWING FOR: CONSTRUCTION SHEET NAME: ELECTRICAL DETAILS SHEET NUMBER: E-4</p>																															

NOTES:

- ALL GROUND ELECTRODE SYSTEMS INCLUDING TELECOMMUNICATION, SIGNAL LIGHTNING PROTECTION, AND AC POWER SYSTEMS SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE CEC.
- METAL RACEWAY SHALL NOT BE USED AS THE CEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO ITS EQUIPMENT.
- EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR SITES; 2 AWG STRANDED COPPER FOR OUTDOOR SITES.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
- ALUMINUM CONDUCTORS OR COPPER CLAD STEEL CONDUCTORS SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING IN ACCORDANCE WITH THE CEC.
- METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE OR APPROVED GROUNDING TYPE CONDUIT CLAMPS.

SYMBOLS:

- ⊕ GROUND TEST WELL
- ⊙ 5/8" x 8' COPPER CLAD GROUND ROD
- COMPRESSION / MECHANICAL TYPE CONNECTION
- EXOTHERMIC "SHELL" TYPE CONNECTION
- BARE SOLE (THINNED) GROUND WIRE (SIZE AS NOTED)
- GROUND BAR

TYP. PER SECTOR

EXISTING & PROPOSED HYBRID (TYP.)

(N) #2 AWG FROM (N) SECTOR GROUND BAR TO (N) EQUIPMENT (TYPICAL)

TOWER TOP OR SECTOR GROUND BAR TO BE REPLACED AS NEEDED

NOTE: THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE T-MOBILE C/O OF ANY CONFLICTS.

PREPARED BY

NETWORK CONNEX

488 S. CENTRAL AVE., SUITE 100
GLINDALE, CA 91703
OFFICE: 916.586.8858 FAX: 916.586.9705
www.networkconnex.com

REVISION	DATE	DESCRIPTION	BY
0	2.19.24	100% CD	BW
1	01.30.25	100% CD	BW
2	04.08.25	100% CD	BW
3	01.18.25	100% CD	BW
4	01.01.25	100% CD	BW

ENGINEER SEAL

PREPARED FOR

T-Mobile
Stick Together®

1855 GATEWAY BLVD.
CONCORD, CA 94520

SITE NUMBER: SV00041A

SITE NAME: BHNDC195 CATHEDRAL OAKS

SITE ADDRESS: 4800 CATHEDRAL OAKS RD. SANTA BARBARA, CA 93110

DESIGNED FOR: CONSTRUCTION

SHEET NAME: GROUNDING NOTES & DIAGRAMS

SHEET NUMBER: G-1

NOTES AND SYMBOLS

SCALE: 3/8" = 1'-0"

NOT USED

SCALE: 3/8" = 1'-0"

NOT USED

TYP. ANTENNA GROUNDING DIAGRAM

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

KEY NOTES:

- ⊕ ANTENNA GROUND BAR TO BE VERIFIED @ FIELD
- (N) #2 AWG ISOLATED COPPER GROUND WIRE FROM (N) BRN TO (E) ANTENNA GROUND BAR

NOTES:

- REFER TO TYP. ANTENNA GROUNDING DIAGRAM
- (E) GROUND WIRES ARE NOT SHOWN FOR CLARITY

EQUIPMENT GROUNDING PLAN

SCALE: 3/8" = 1'-0"

KEY NOTES:

- ⊕ EQUIPMENT GROUND BAR TO BE VERIFIED @ FIELD
- (N) #2 AWG ISOLATED COPPER TO (E) EQUIPMENT GROUND BAR

NOTE:

- (E) GROUND WIRES ARE NOT SHOWN FOR CLARITY.

ANTENNA GROUNDING PLAN (TYP. PER SECTOR)

SCALE: 3/8" = 1'-0"

MODIFIED 49'-0" MONOPOLE WITH PROPOSED 2'-0" EXTENSION

US-CA-5314; SV80041A
 805 SAN ANTONIO CREEK ROAD
 SANTA BARBARA, CALIFORNIA 93013
 SANTA BARBARA COUNTY
 LAT: 34° 27' 5.70"; LONG: -119° 47' 26.50"

PROJECT CONTACTS
CLIENT:
 NETWORK CONNEX
 CONTACT: ROBERT RAMIREZ AT RRAMIREZ@NETWORKCONNEX.COM
 PH: (951) 813-5242
ENGINEER OF RECORD:
 P.J.FTELECOM@PAULJFORD.COM

WIND DESIGN DATA	
REFERENCE STANDARD	ANSI/TIA-222-H-2017
LOCAL CODE	2022 CALIFORNIA BUILDING CODE
BASIC WIND SPEED (MPH)	92
SERVICE WIND SPEED (MPH)	60
RISK CATEGORY	II
EXPOSURE CATEGORY	C
MAXIMUM TOPOGRAPHIC FACTOR, K_{zt}	1

SEISMIC DESIGN DATA	
SEISMIC IMPORTANCE FACTOR	1.0
S_s	2.222
S_1	0.788
SITE CLASS	C
S_{DS}	1.778
S_{D1}	0.735
SEISMIC DESIGN CATEGORY	E

BASIC SEISMIC FORCE RESISTING SYSTEM	
DESIGN BASE SHEAR (KIPS)	1.983
C_s	0.650
SEISMIC ANALYSIS PROCEDURE	MODAL ANALYSIS PROCEDURE

SHEET INDEX	
SHEET NUMBER	DESCRIPTION
T-1	TITLE SHEET
MI-1	MI CHECKLIST
N-1	GENERAL NOTES
S-1	MONOPOLE PROFILE
S-2	CONCEALMENT TABLES
S-3	CONCEALMENT PARTIAL ELEVATION
S-4	CONCEALMENT DETAILS
S-5	BASE PLATE DETAILS
S-6	WELDED ANCHOR ROD BRACKET DETAILS

QUALIFIED ENGINEERING SERVICES ARE AVAILABLE FROM PAUL J. FORD & COMPANY TO ASSIST CONTRACTORS IN CLASS IV RIGGING PLAN REVIEWS. FOR REQUESTED QUALIFIED ENGINEERING SERVICES, PLEASE CONTACT P.J.FTELECOM@PAULJFORD.COM

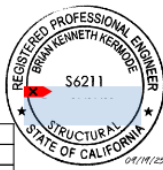
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PAUL J. FORD & COMPANY
 2530 E. SHILOH ST. STE. 402B, COVINGTON, OH 430215
 Phone 614.221.6979 www.pauljford.com

NETWORK CONNEX
 805 N. CENTRAL AVE. SUITE 1500 QUENEAU, CA 93003

US-CA-5314; SV80041A
 SANTA BARBARA, CALIFORNIA
 MODIFIED 49'-0" MONOPOLE

PROJECT No: 0024-02P-001-7100
 DRAWN BY: TSK
 DESIGNED BY: TSK
 CHECKED BY:
 DATE: 04/02/24



TITLE SHEET
T-1

REV	DATE	DESCRIPTION
2	04/11/25	UPDATE SEISMIC ANALYSIS FACTORS
1	03/28/25	NO CHANGE

V11.02024-02P-001-7100

POST-MODIFICATION CHECKLIST		
REQUIRED	REPORT ITEM	BRIEF DESCRIPTION
PRE-CONSTRUCTION		
X	MI CHECKLIST DRAWING	THIS CHECKLIST SHALL BE INCLUDED IN THE MI REPORT.
X	ECR APPROVED SHOP DRAWINGS	FABRICATION DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW. THE CONTRACTOR SHALL PROVIDE THE APPROVED SHOP DRAWINGS TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. SEE SHOP DRAWING NOTES.
X	FABRICATION INSPECTION	A LETTER FROM THE FABRICATOR, STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THE CONTRACT DOCUMENTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	FABRICATOR CERTIFIED WELD INSPECTION	A CERTIFIED WELD INSPECTION PERFORMED BY STRUCTURAL MEMBERS DURING FABRICATION. A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	MATERIAL TEST REPORT (MTR)	MIL CERTIFICATION SHALL BE PROVIDED FOR ALL STEEL WITH A YIELD STRENGTH GREATER THAN 43 KSI AND THIS DOCUMENTATION SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	FABRICATOR NDE INSPECTION	CRITICAL SHOP WELDS THAT REQUIRE TESTING ARE NOTED ON THESE CONTRACT DRAWINGS. A CERTIFIED WELD INSPECTOR SHALL PERFORM NON-DESTRUCTIVE TESTING AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	NDE REPORT OF MONOPOLE BASE PLATE (AS REQUIRED)	A VISUAL OBSERVATION OF THE POLE TO BASE PLATE CONNECTION IS REQUIRED AND A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	PACKING SLIPS	THE MATERIAL SHIPPAULIST SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
CONSTRUCTION		
X	CONSTRUCTION INSPECTIONS	A LETTER FROM THE GENERAL CONTRACTOR STATING THAT THE WORKMANSHIP WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THESE CONTRACT DRAWINGS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	FOUNDATION INSPECTIONS	A VISUAL OBSERVATION OF THE EXCAVATION AND REBAR SHALL BE PERFORMED BEFORE PLACING THE CONCRETE. A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	CONCRETE COMP. STRENGTH AND SLUMP TESTS	THE CONCRETE MIX DESIGN, SLUMP TEST, AND COMPRESSIVE STRENGTH TESTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	POST INSTALLED ANCHOR ROD VERIFICATION	ANCHOR ROD INSTALLATION SHALL INCLUDE VERIFICATION BY LETTER AND PHOTOGRAPHIC DOCUMENTATION.
NA	BASE PLATE GROUT VERIFICATION	A LETTER FROM THE GENERAL CONTRACTOR SHALL BE PROVIDED TO THE MI INSPECTOR THAT CERTIFIES THAT THE GROUT WAS INSTALLED IN ACCORDANCE WITH INDUSTRY STANDARDS FOR INCLUSION IN THE MI REPORT.
X	FABRICATOR CERTIFIED WELD INSPECTION	A CERTIFIED WELD INSPECTOR SHALL INSPECT AND TEST AS NECESSARY ALL FIELD WELDS AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. (SEE SHOP DRAWING NOTES FOR REQUIREMENTS)
NA	EARTHWORK LIFT AND DENSITY	FOUNDATION SUB-GRADES SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	ON-SITE COLD GALVANIZING VERIFICATION	THE GENERAL CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE MI INSPECTOR VERIFYING THAT ANY ON-SITE COLD GALVANIZING WAS APPLIED FOR FIELD PURCHASED/DELIVERED WELDS.
NA	SOIL WIRE TENSION REPORT	THE GENERAL CONTRACTOR SHALL PROVIDE A REPORT TO THE MI INSPECTOR INDICATING THE TEMPERATURE AND TENSION IN EVERY SOIL WIRE FOR INCLUSION IN THE MI REPORT.
X	GC AS-BUILT DOCUMENTS	THE GENERAL CONTRACTOR SHALL SUBMIT A COPY OF THE CONTRACT DRAWINGS (WITH ANY CHANGES) AS DESIGNER OR NOTING ANY CHANGES THAT WERE REQUIRED AND APPROVED BY THE ENGINEER OF RECORD DUO TO FIELD CONDITIONS.
NA	MAGNUS COATING VERIFICATION	THE GENERAL CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE MI INSPECTOR VERIFYING THAT ANY MAGNUS COATING WAS APPLIED IN ACCORDANCE WITH ACT 1138.
NA	MONOPOLE / ROCK ANCHOR	THE GENERAL CONTRACTOR SHALL PROVIDE INSTALLER'S DRILLING AND INSTALLATION LOGS AND GAO DOCUMENTATION TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
POST-CONSTRUCTION		
X	MI INSPECTOR RESUME OR RECORD DRAWINGS	THE MI INSPECTOR SHALL OBSERVE AND REPORT ANY DISCREPANCIES BETWEEN THE CONTRACTORS REDLINE DRAWING AND THE ACTUAL COMPLETED INSTALLATION.
X	POST INSTALLED ANCHOR ROD PULL TESTING	POST INSTALLED ANCHOR RODS SHALL BE TESTED IN ACCORDANCE WITH INDUSTRY STANDARD AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	PHOTOGRAPHS	PHOTOGRAPHS SHALL BE SUBMITTED TO THE MI WHICH DOCUMENT ALL PHASES OF THE CONSTRUCTION. THE PHOTOS SHALL BE ORGANIZED IN A MANNER THAT EASILY IDENTIFIES THE EXACT LOCATION OF THE PHOTOS.
NA	POST INSTALLED MICROPILE / ROCK ANCHOR TESTING	POST INSTALLED ANCHORS SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH SPECIFICATION STATES ON MICROPILE/ROCK ANCHOR NOTES.
NOTE: X DENOTES A DOCUMENT NEEDED FROM THE CONTRACTOR FOR THE MI REPORT NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT		

VERIFICATION/INSPECTION NOTES

GENERAL
THE MODIFICATION INSPECTOR (MI) IS VISUAL INSPECTION OF TOWER MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. WORK DOES NOT CONSTITUTE "TAKE OWNERSHIP" OF THE MODIFICATION DESIGN. DIRECTION OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESTS WITH THE EOR AT ALL TIMES.

TO INSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BE OPEN COMMUNICATING AND COORDINATING AS SOON AS POSSIBLE. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR
THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR AGREEMENT TO THE CONTRACT DOCUMENTS, CONDUCTING THE FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO THE OWNER.

GENERAL CONTRACTOR
THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH INDUSTRY STANDARDS.

RECOMMENDATIONS
THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING A MI REPORT.

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF BUSINESS DAYS NOTICE, PREFERABLE 15, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY SOIL WIRE TENSIONING OR MI TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW FOUNDATION AND MI INSPECTIONS TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DISCREPANCIES CONNECTED TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON-SITE.

CANCELLATION AND DELAYS IN SCHEDULE DATE
IF THE GC WANTS TO CANCEL OR DELAY THE DATE ON WHICH THE MI WILL BE CONDUCTED, AND EITHER PARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSSES OF PROFITS AND/OR OTHER PENALTIES RELATED TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY OF THE FOLLOWING: TRAVEL AND LODGING COSTS OF KEEPING EQUIPMENT ON-SITE, ETC., IF THE TOWER OWNER CONTACTS DIRECTLY FOR A THIRD PARTY. NO EXCEPTIONS MAY BE MADE IN THE EVENT THAT THE DELAY OR CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CONSTRUCTION OF PILING MTR
IF THE MODIFICATION INSTALLATION WOULD FAIL THE INSTALLED MTR, THE GC SHALL WORK WITH THE EOR TO DEVELOP A REMEDIATION PLAN IN ONE OF TWO WAYS:

- CONDUCT FALLING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.
- OR WITH OWNERS APPROVAL, THE GC MAY WORK WITH THE EOR TO RE-ANALYZE THE MODIFICATION/REINFORCEMENT USING THE AS-BUILT CONDITION.

PHOTOGRAPHS
BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION AND INSPECTION
 - RAW MATERIALS
 - PHOTOS OF ALL CRITICAL DETAILS
 - FOUNDATION MODIFICATIONS
 - WELD PREPARATION
 - POST INSTALLATION AND TORQUE
 - FINAL INSTALLED CONDITION
 - SUBJECT COATING REMOVAL
 - POST CONSTRUCTION PHOTOGRAPHS
 - FINAL WELD CONDITION

PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

THIS IS NOT A COMPLETE LIST OF REQUIRED PHOTOS, PLEASE COORDINATE WITH THE MI.

SHOP DRAWINGS
FOR IMPROVED SHOP DRAWINGS CAN BE PROVIDED AS AN ADDITIONAL SCORPE OF SERVICE. IF REQUIRED, PLEASE CONTACT P.F.F. FOR ADDITIONAL INFORMATION.

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US-CA-0314; SV80041A
SANTA BARBARA, CALIFORNIA
MODIFIED 48"-0" MONOPOLE

PROJECT No. 0004-0291-011700
DRAWN BY: T.M.B.
DESIGNED BY: T.M.B.
CHECKED BY:
DATE: 12/4/2005

MI CHECKLIST

MI-1

01/11/25



REV.	DATE	DESCRIPTION
2	9/18/2005	NO CHANGE
1	9/28/2005	NO CHANGE

GENERAL NOTES

- THESE DRAWINGS WERE PREPARED FROM INFORMATION AND DOCUMENTS PROVIDED BY OWNER. THE INFORMATION PROVIDED HAS NOT BEEN FIELD VERIFIED BY THE ENGINEER OF RECORD (EOR) FOR ACCURACY AND THEREFORE DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL SITE CONDITIONS SHOULD BE ANTICIPATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND COORDINATE WITH THE AVAILABLE SOURCES OF INFORMATION ABOVE AND WITH THE PROJECT DRAWINGS BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL IMMEDIATELY REPORT ANY AND ALL DISCREPANCIES TO THE EOR AND OWNER POINT OF CONTACT (POC) BEFORE PROCEEDING WITH THE WORK.
- IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE BETTER QUALITY AND/OR GREATER QUANTITY, STRENGTH OR SIZE INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.
- THIS STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE INSTALLATION OF THE REINFORCING REPAIR SYSTEM HAS BEEN SUCCESSFULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THE SAFETY AND STABILITY OF THE MONOPOLE AND ITS COMPONENT PARTS DURING FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR THE DOWNES THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
- ALL CONSTRUCTION MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSISSE 410.48 (LATEST EDITION), FEDERAL, STATE, AND LOCAL REGULATIONS, AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSISSE 410.48 (LATEST EDITION), INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION TO CERTIFY THE SUPPORTING STRUCTURES IN ACCORDANCE WITH THE ANSISSE 410.48 (LATEST EDITION).
- OBSERVATION VISITS TO THE SITE BY OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
- ANY SUPPORT SERVICES PERFORMED BY THE EOR DURING CONSTRUCTION ARE SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING GENERAL CONFORMANCE WITH CONTRACT DOCUMENTS. THEY DO NOT GUARANTEE CONTRACTORS PERFORMANCE AND SHALL NOT BE CONSIDERED AS SUPERVISION OF CONSTRUCTION.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY OWNER AND EOR PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, MAINTENANCE, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK AS WELL AS OWNER SAFETY GUIDELINES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW COAXIAL CABLES AND OTHER EQUIPMENT DURING CONSTRUCTION.
- ANY EXISTING ATTACHMENTS AND/OR PROJECTIONS ON THE POLE THAT MAY INTERFERE WITH THE INSTALLATION OF THE REINFORCING SYSTEM WILL HAVE TO BE REMOVED AND RELOCATED, REPLACED, OR RE-INSTALLED AS REQUIRED AFTER THE REINFORCING IS SUCCESSFULLY COMPLETED. THE CONTRACTOR SHALL IDENTIFY AND COORDINATE THESE ITEMS PRIOR TO CONSTRUCTION WITH OWNER, TESTING AGENCY, AND EOR.
- ANY AND ALL EXISTING PLATFORMS THAT ARE LOCATED IN AREAS OF THE POLE SHAFT WHERE SHAFT REINFORCING MUST BE APPLIED SHALL BE TEMPORARILY REMOVED OR OTHERWISE SUPPORTED TO PERMIT NEW CONTINUOUS REINFORCEMENT TO BE ATTACHED. AFTER THE CONTRACTOR HAS SUCCESSFULLY INSTALLED THE MONOPOLE REINFORCEMENT SYSTEM, THE CONTRACTOR SHALL RE-INSTALL THE PLATFORMS.
- THE CLIMBING FACILITIES, SAFETY CLIMB AND ALL PARTS THEREOF SHALL NOT BE IMPEDED, MODIFIED OR ALTERED WITHOUT THE EXPRESS APPROVAL OF THE EOR.
- ALL SOLUTIONS FOR THE REPLACEMENT, RELOCATION OR MODIFICATION OF THE SAFETY CLIMB AND/OR ANY OF THE MONOPOLE CLIMBING FACILITIES SHALL BE COORDINATED WITH OWNER.

STRUCTURAL STEEL

- STRUCTURAL STEEL MATERIALS, FABRICATION, DETAILING, AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING REFERENCE STANDARDS:
 - BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
 - "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
 - SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM HIGH STRENGTH BOLTS," AS APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.
 - "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
 - BY THE AMERICAN WELDING SOCIETY (AWS):
 - "STRUCTURAL WELDING CODE - STEEL D1.1"
 - "STANDARD SYMBOLS FOR WELDING, BRAZING, AND NONDESTRUCTIVE EXAMINATION"
- ALL STRUCTURAL BOLTS SHALL BE INSTALLED AND TIGHTENED TO THE PRESTENSIONED CONDITION ACCORDING TO THE REQUIREMENTS OF THE CURRENT AISC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS.
- ANY MATERIAL OR WORKMANSHIP WHICH IS OBSERVED TO BE DEFECTIVE OR INCONSISTENT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED, MODIFIED, OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1. ALL WELD ELECTRODES SHALL BE EXCEED UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL WELDED CONNECTIONS SHALL BE MADE BY WELDERS CERTIFIED BY AWS. CONTRACTOR SHALL SUBMIT WELDERS' CERTIFICATION AND QUALIFICATION DOCUMENTATION TO OWNER'S TESTING AGENCY FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- STRUCTURAL STEEL PLATES SHALL CONFORM TO ASTM A727 GRADE 6597 + 65 KSI MIN) UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- SURFACES OF EXISTING STEEL SHALL BE PREPARED AS REQUIRED FOR FIELD WELDING PER AWS. SEE SECTION NOTES REGARDING TOUCH UP OF GALVANIZED SURFACES DAMAGED DURING TRANSPORTATION OR ERECTION AND ASSEMBLY AS WELL AS FIELD WELDING.
- NO WELDING SHALL BE DONE TO THE EXISTING STRUCTURE WITHOUT THE PRIOR APPROVAL AND SUPERVISION OF THE TESTING AGENCY.
- FIELD CUTTING OF STEEL:
 - IMPORTANT CUTTING AND WELDING SAFETY GUIDELINES: THE CONTRACTOR SHALL FOLLOW ALL OWNER CUTTING, WELDING, FIRE PREVENTION AND SAFETY GUIDELINES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A COPY OF THE CURRENT OWNER GUIDELINES. ANY DAMAGE TO THE COAX CABLES, AND/OR OTHER EQUIPMENT AND/OR THE STRUCTURE, RESULTING FROM THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE INSPECTION TESTING AGENCY SHALL OBSERVE AND CONTINUOUSLY MONITOR THIS ACTIVITY.
 - ALL REQUIRED CUTS SHALL BE CUT WITHIN THE DIMENSIONS SHOWN ON THE DRAWINGS. NO CUTS SHALL EXTEND BEYOND THE OUTLINE OF THE DIMENSIONS SHOWN ON THE DRAWINGS. ALL CUT EDGES SHALL BE GRIND SMOOTH AND DE-BURRED. CUT EDGES THAT ARE TO BE FIELD WELDED SHALL BE PREPARED FOR FIELD WELDING PER AWS D1.1 AND AS SHOWN ON THE DRAWINGS. CONTRACTOR TO AVOID 90 DEGREE CORNERS. IF IT MAY BE NECESSARY TO DRILL STARTER HOLES AS REQUIRED TO MAKE THE CUTS.

TOUCH UP OF GALVANIZING

- ALL EXISTING PAINTED OR GALVANIZED SURFACES DAMAGED DURING CONSTRUCTION SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING BRUSH APPLIED PAINT (ZINCA OR EQUAL) AND REPAINTED TO MATCH THE EXISTING FINISH CONFORMING TO ASTM A763.
- CONTRACTOR SHALL CLEAN AND PREPARE ALL FIELD WELDS ON GALVANIZED AND PRIME PAINTED SURFACES FOR TOUCH UP COATING IN ACCORDANCE WITH AWS D1.1. OWNER'S TESTING AGENCY SHALL VERIFY THE PREPARED SURFACE PRIOR TO APPLICATION OF THE TOUCH UP COATING.
- OWNER'S TESTING AGENCY SHALL TEST AND VERIFY THE COATING THICKNESS AFTER THE CONTRACTOR HAS APPLIED THE ZINC COLD GALVANIZING COMPOUND AND IT HAS SUFFICIENTLY DRIED. AREAS FOUND TO BE INADEQUATELY COATED, SHALL BE RE-COATED BY THE CONTRACTOR AND RE-TESTED BY THE TESTING AGENCY.

HOT-DIP GALVANIZING

- HOT-DIP GALVANIZE ALL STRUCTURAL STEEL MEMBERS AND ALL STEEL ACCESSORIES, BOLTS, WASHERS, ETC. PER ASTM A123 OR PER ASTM A153, AS APPROPRIATE.
- PROPERLY PREPARE STEEL ITEMS FOR GALVANIZING.
- DRILL OR PUNCH WEEP AND/OR DRAINAGE HOLES WITH EOR APPROVAL OF LOCATIONS.
- ALL GALVANIZING SHALL BE DONE AFTER FABRICATION IS COMPLETED AND PRIOR TO FIELD INSTALLATION.

PERPETUAL INSPECTION AND MAINTENANCE BY THE OWNER

- AFTER THE CONTRACTOR HAS SUCCESSFULLY COMPLETED THE INSTALLATION OF THE MONOPOLE REINFORCING SYSTEM AND THE WORK HAS BEEN ACCEPTED BY OWNER, OWNER WILL BE RESPONSIBLE FOR THE LONG TERM AND PERPETUAL INSPECTION AND MAINTENANCE OF THE POLE AND REINFORCING SYSTEM.
- ANY FIELD WELDED CONNECTIONS ARE SUBJECT TO CORROSION DAMAGE AND DEGRADATION IF THEY ARE NOT PROPERLY MAINTAINED AND COVERED WITH CORROSION PREVENTIVE COATING SUCH AS THE ZINC GALVANIZING COMPOUND SPECIFIED PREVIOUSLY. THE STRUCTURAL LOAD CARRYING CAPACITY OF THE REINFORCED POLE SYSTEM IS DEPENDENT UPON THE INSTALLED SIZE AND QUALITY MAINTAINED SOUND CONDITION AND STRENGTH OF THESE FIELD WELDED CONNECTIONS. ANY CORROSION OF, DAMAGE TO, FATIGUE, FRACTURE, AND/OR DETEIORATION OF THESE WELDS AND/OR THE EXISTING GALVANIZED STEEL POLE STRUCTURE AND THE WELDED COMPONENTS WILL RESULT IN THE LOSS OF STRUCTURAL LOAD CARRYING CAPACITY AND MAY LEAD TO FAILURE OF THE STRUCTURAL SYSTEM. THEREFORE, IT IS IMPERATIVE THAT OWNER REGULARLY INSPECTS, MAINTAINS, AND REPAIRS AS NECESSARY, ALL OF THESE WELDS, CONNECTIONS, AND COMPONENTS FOR THE LIFE OF THE STRUCTURE.
- OWNER SHALL REFER TO ANSISSE 422-H2017, SECTION 14 AND ANNEX J FOR RECOMMENDATIONS FOR MAINTENANCE AND INSPECTION. THE FREQUENCY OF THE INSPECTION AND MAINTENANCE INTERVALS IS TO BE DETERMINED BY OWNER BASED UPON ACTUAL SITE AND ENVIRONMENTAL CONDITIONS. THE EOR RECOMMENDS THAT A COMPLETE AND THOROUGH INSPECTION OF THE ENTIRE REINFORCED MONOPOLE STRUCTURAL SYSTEM BE PERFORMED YEARLY AND/OR AS FREQUENTLY AS CONDITIONS WARRANT. IN ADDITION TO ANSISSE 422-H2017 SECTION 14.3, IT IS RECOMMENDED THAT THE STRUCTURE BE INSPECTED AFTER SEVERE WIND AND/OR ICE STORMS OR OTHER EXTREME LOADING CONDITIONS."

EPOXY COATED REINFORCING ANCHOR RODS

- UNLESS OTHERWISE NOTED, REINFORCING ANCHOR RODS SHALL BE ALL-THREAD BARS CONFORMING TO ASTM A193 GR 8 (F_y = 105 KSI) OR ASTM F1554 GR 105 (F_y = 105 KSI).
- ALL REINFORCING ANCHOR RODS SHALL BE HOT-DIP GALVANIZED PER ASTM A123. ALTERNATIVELY, ALL REINFORCING ANCHOR RODS MAY BE EPOXY COATED PER ASTM A757.
- THE CORE-DRILLED HOLES IN THE CONCRETE FOR THE ANCHOR RODS SHALL BE CLEAN AND DRY, ROUGHENED, AND OTHERWISE PROPERLY PREPARED ACCORDING TO THE ANCHOR ROD AND EPOXY MANUFACTURER'S INSTRUCTIONS. PRIOR TO PLACEMENT OF ANCHOR RODS AND EPOXY, CONTRACTOR SHALL FOLLOW ALL ANCHOR ROD AND EPOXY MANUFACTURER RECOMMENDATIONS REGARDING HANDLING OF RODS, EPOXY, ACCEPTABLE AMBIENT TEMPERATURE RANGE DURING INSTALLATION AND POST-INSTALLATION CURING, THE EFFECT OF TEMPERATURE ON EPOXY CURING TIME, PREPARATION OF HOLE, ETC.
- HULT HT RE-200 SD SHALL BE USED TO ANCHOR THE BAR IN THE DRILL HOLES. IF THE DESIRED EMBEDMENT IS GREATER THAN 12" FT, CONTRACTOR HAS THE OPTION TO USE FILE ANCHOR GROUT BY SCHEM AS AN ALTERNATE. IF CONTRACTOR WISHES TO USE A DIFFERENT EPOXY, A REQUEST INCLUDING THE EPOXY TECHNICAL DATA SHEET(S) SHALL BE SUBMITTED TO THE EOR FOR REVIEW PRIOR TO CONSTRUCTION.
- ONCE THE REINFORCING ANCHOR RODS HAVE BEEN INSTALLED AND ALL EPOXY AND GROUT HAVE CURED, IF BASE PLATE ANCHOR BEARINGS PLATES HAVE BEEN GROUDED PRIOR TO TESTING, ALL REINFORCING ANCHORS SHALL BE LOADED TESTED. REFER TO THE NEW ANCHOR & BRACKET DETAIL ON FOLLOWING SHEETS FOR SPECIFIED ANCHOR ROD TARGET TENSION LOAD.
- ONCE THE REINFORCING ANCHOR RODS HAVE BEEN SUCCESSFULLY LOADED TESTED AND APPROVED THE CONTRACTOR SHALL TIGHTEN ALL HEAVY HEX ANCHOR NUTS TO SNUG TIGHT PLUS 1/8 TURN OF NUT.
- TAKE ALL MEASUREMENTS NECESSARY TO AVOID DAMAGING EXISTING REINFORCING BARS DURING CURING OPERATIONS. NOTIFY ENGINEER OF RECORD IMMEDIATELY IF EXISTING REINFORCING BARS ARE ENCOUNTERED AND INTERFERE WITH PLACEMENT OF NEW ANCHORS. MINOR ADJUSTMENT TO PROPOSED LOCATION OF NEW ANCHORS MAY BE REQUIRED.

11/19/2020 10:00 AM

REV	DATE	DESCRIPTION
2	9/18/2020	NO CHANGE
1	3/28/2020	NO CHANGE



PROJECT No: 0004-0201.001.0100
 DRAWN BY: TMR
 DESIGNED BY: TMR
 CHECKED BY: TMR
 DATE: 10/14/2020

GENERAL NOTES

N-1

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US-CA-5314; SV80041A
 SANTA BARBARA, CALIFORNIA
 MODIFIED 48"-Ø" MONOPOLE

POLE ELEVATION 1 S-1

ELEVATION	TOWER MODIFICATION DESCRIPTION	REFERENCE SHEETS
40'-0" - 49'-0"	REMOVE EXISTING CONCEALMENT SHROUGS	
49'-0" - 51'-0"	INSTALL CONCEALMENT EXTENSION	
41'-0" & 47'-0"	TRIM EXISTING BULKHEADS AS REQUIRED FOR INSTALLATION OF NEW BULKHEADS	
41'-0" & 47'-0"	INSTALL NEW CONCEALMENT BULKHEADS AND SHROUGS	
0'-0"	INSTALL NEW ANCHOR RODS AND FIELD WELDED BRACKETS, NOT WORK PERMIT IS REQUIRED FOR ALL FIELD WELDING	

PRIOR TO FABRICATION AND INSTALLATION CONTRACTOR SHALL VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTH AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSES ONLY AND SHALL NOT BE USED FOR FABRICATION.

MANUFACTURER POLE SPECIFICATIONS						
TOWER	9' RWFT					
BASE PLATE STEEL	ASTM A572 (F100 KSI)					
ANCHOR RODS	1/2" ASTM F1554 GR 55 (F155 KSI)					
FLANGE BOLTS	3/8" ASTM A325 (F182 KSI)					

SHAFT SECTION DATA						
SHAFT SECTION	SECTION LENGTH (FT)	POLE SHAFT THICKNESS (IN)	LAP SPLICE (FT)	DIAMETER ACROSS FLATS (IN)		POLE SHAPE
				@ TOP	@ BOTTOM	
1	5.00	0.216		3.5	3.5	ROUND
2	40.00	0.375		14.0	14.0	ROUND

NOTE: DIMENSIONS SHOWN DO NOT INCLUDE GALVANIZING TOLERANCES

2	9/18/2025	REVISED MODIFICATION SCHEDULE & POLE HEIGHT
1	3/28/2024	REVISED WIND SCHEDULE
REV	DATE	DESCRIPTION

PROJECT No: 0104-029-001-1700
 DRAWN BY: TMB
 DESIGNED BY: TAZ
 CHECKED BY:
 DATE: 12/02/25

MONOPOLE PROFILE

S-1

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US-CA-5314; SV80041A
 SANTA BARBARA, CALIFORNIA
 MODIFIED 49'-0" MONOPOLE

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NEW CONCEALMENT SHROUD DATA					
BOTTOM ELEVATION	TOP ELEVATION	LENGTH	SHAPE	DIAMETER (IN)	VENTED/NON-VENTED
48'-0"	51'-0"	11'-0"	ROUND	33	NON-VENTED

CONTRACTOR NOTE: COLOR OF CONCEALMENT SHALL MATCH EXISTING POLE. CONTRACTOR TO COMPLETE SITE VISIT TO CONFIRM EXISTING COLOR. CONTRACTOR SHALL PROVIDE A COLOR SAMPLE TO THE TOWER OWNER FOR APPROVAL PRIOR TO FABRICATION.

ANTENNA LIST					
ANTENNA MODEL	QTY	ANTENNA CENTERLINE ELEVATION	HEIGHT (IN)	DEPTH (IN)	WIDTH (IN)
COMMSCOPE PIVARIS-R1	2	45'-0"	72	7.2	11.8
COMMSCOPE TIA1921BLU-E1 STYLE C/3/AT	2	43'-7"	9.2	4.2	6.0

NOTE: A 4" SPACING BETWEEN THE SPINE AND ANTENNA HAS BEEN ASSUMED.

COAX LIST					
COAX MODEL	QTY	ELEVATION	NOMINAL DIAMETER (IN)	ACTUAL DIAMETER (IN)	
COAX	12	48'-0"	3/8	1.01	

NOTE: COAX LAYOUT AND FIT IS THEORETICAL. ACTUAL LAYOUT AND FIT MAY VARY PENDING EXISTING CONDITIONS.

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 MODIFIED 49'-0" MONOPOLE

PROJECT NO.	0024-1275-01-1710
DRAWN BY	TAM
DESIGNED BY	LJS
CHECKED BY	
DATE	04/19/25

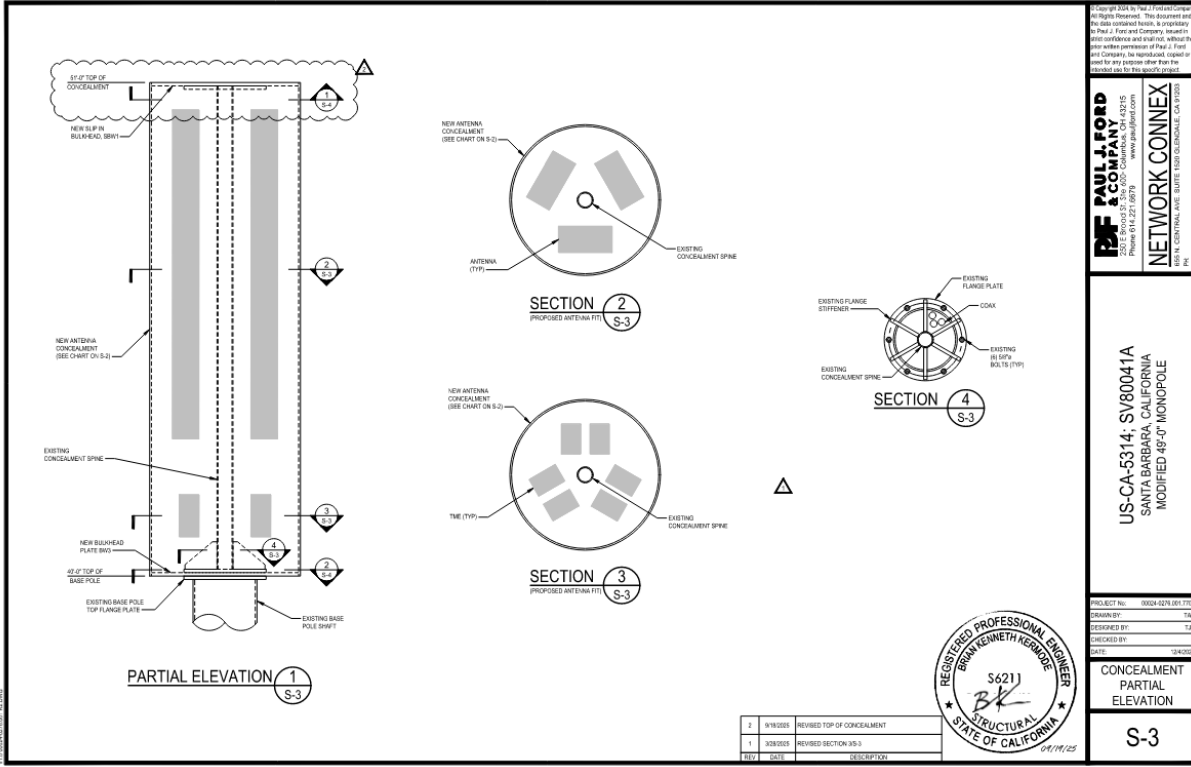
CONCEALMENT TABLES

S-2



REV	DATE	DESCRIPTION
2	9/18/2025	REVISED CONCEALMENT SHROUD AND PROPOSED ANTENNA DATA
1	3/28/2025	REVISED COAX LIST

143715-0024-1275-01-1710-01-001



2	3/18/2018	REVISED TOP OF CONCEALMENT
1	3/28/2018	REVISED SECTION 30-3
REV	DATE	DESCRIPTION



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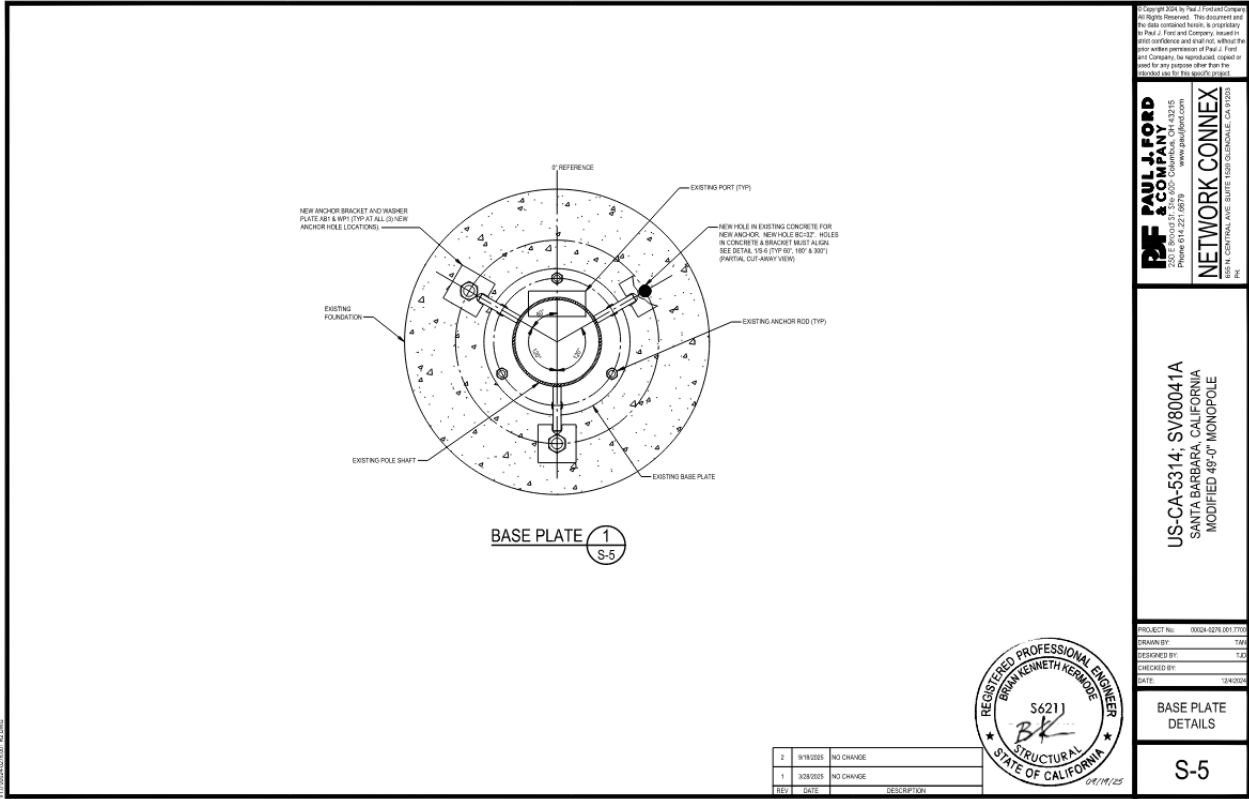
NETWORK CONNEX
100 N. CENTRAL AVE. SUITE 1000 OAKLAND, CA 94612

US-CA-5314; SV800041A
SANTA BARBARA, CALIFORNIA
MODIFIED 48"-0" MONOPOLE

PROJECT No. 1804-0218-011710
ISSUED BY: TSK
DESIGNED BY: T.S.
CHECKED BY:
DATE: 03/08/18

CONCEALMENT PARTIAL ELEVATION

S-3



BASE PLATE 1
S-5

NO.	DATE	DESCRIPTION
2	07/18/2005	NO CHANGE
1	03/07/05	NO CHANGE



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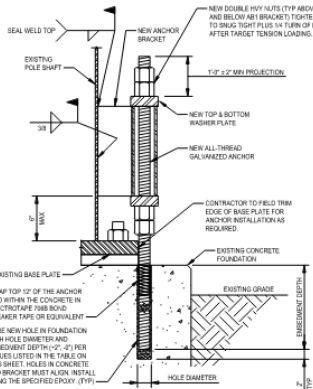
US-CA-5314; SV80041A
 SANTA BARBARA, CALIFORNIA
 MODIFIED 48"-0" MONOPOLE

PROJECT NO: 0004-0078-001-1100
 DRAWN BY: TAW
 DESIGNED BY: T.C.
 CHECKED BY:
 DATE: 04/02/05

BASE PLATE
 DETAILS

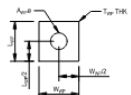
S-5

ANCHOR ROD SPECIFICATIONS	
DIAMETER (D)	1.31"
QUANTITY	3
MATERIAL	ASTM A193 GR B7
HOLE DIAMETER	2"
TARGET TENSION LOAD	111 KIP
EPOXY	HILTI RE 500 VS
EMBEDMENT DEPTH	66"
INSTALLED LENGTH	100"

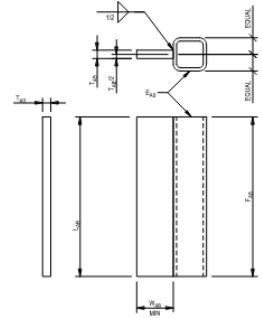


NEW ANCHOR & BRACKET DETAIL 1 S-6

- NOTE:**
1. PLATE WASHER SHALL FULLY BEAR ON THE NEW ANCHOR BRACKET.
 2. RODS SHALL BE GALVANIZED FROM THE TOP OF THE PROJECTION TO 1' BELOW THE SURFACE OF THE CONCRETE, AT A MINIMUM.
 3. CORED HOLES MUST BE MECHANICALLY ROUGHENED USING A CARBIDE HOLE ROUGHENER OR EQUIVALENT. BRUSHING WITH A NYLON OR WIRE BRUSH SHALL BE USED IN THE PROCESS OF HOLE CLEANING, BUT DOES NOT SATISFY THE HOLE ROUGHENING REQUIREMENT.
 4. FOLLOW EPOXY MANUFACTURER'S RECOMMENDATIONS FOR HOLE CLEANING.
 5. ALL HOLES SHALL BE DRY PRIOR TO PLACING EPOXY.
 6. CONTRACTOR SHALL CHOOSE THE EPOXY TO BE USED FROM THE TABLE ON THIS SHEET. FOLLOW EPOXY MANUFACTURER'S RECOMMENDATIONS REGARDING (INCLUDING) THICKNESS OF ROD AND EPOXY, AS WELL AS ALL INSTALLATION INSTRUCTIONS AND REQUIREMENTS, INCLUDING BASE TEMPERATURE REQUIREMENTS.
 7. TAKE ALL MEASUREMENTS NECESSARY TO AVOID DAMAGING EXISTING REINFORCING BARS DURING CORING OPERATIONS. NOTIFY EOR IMMEDIATELY IF EXISTING REINFORCING BARS ARE ENCOUNTERED AND INTERFERE WITH PLACEMENT OF NEW ANCHORS. MINOR ADJUSTMENT TO PROPOSED LOCATION OF NEW ANCHORS MAY BE REQUIRED.
 8. ONCE ALL REIN AND GROUT HAVE CURED, NEW ANCHOR ROD REINFORCING SHALL BE TARGET TENSIONED TO THE VALUE LISTED IN THE TABLE ON THIS SHEET.
 9. CONTRACTOR SHALL VERIFY THAT A PULL TEST IS ABLE TO BE PERFORMED USING THE ANCHOR ROD PROJECTION SHOWN.
 10. WHEN COMPLETED WITH EPOXY INSTALLATION, THE TOP OF THE EPOXY SHALL BE EQUAL TO OR HIGHER THAN THE TOP OF THE FOUNDATION, SUCH THAT WATER IS NOT ABLE TO COLLECT IN THE ANNULAR AREA AROUND THE EXPOSED PORTION OF THE ANCHOR ROD.



WASHER PLATE							
PART #	ANGLE	QTY	MATL SPEC	TWP	WWP	LWP	AWP
WP1	60°, 90°, 30°	6	ASTM A572 GR 65	1 1/2"	4 1/2"	4 1/2"	1 7/8"



ANCHOR BRACKET								
PART #	ANGLE	QTY	ANCHOR PLATE			TUBE		
			MATL SPEC	TAB	WAB	LAB	EAB (SIZE)	FAB
AB1	60°, 90°, 30°	3	ASTM A572 GR 65	1 1/2"	7"	30"	HSS4 x 4 x 1/2	30"

REV	DATE	DESCRIPTION
2	9/18/2025	NO CHANGE
1	9/18/2025	NO CHANGE



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US-CA-5314-SV80041A
SANTA BARBARA, CALIFORNIA
MODIFIED 48"-0" MONOPOLE

PROJECT NO: 0024-0278 (01) 1702
DRAWN BY: TAE
CHECKED BY: TAE
DATE: 10/4/2024

WELDED ANCHOR ROD BRACKET DETAILS

S-6