

## GROUND LEASE AGREEMENT

This Ground Lease Agreement (the “**Agreement**”) is made and effective as of the date the last Party executes this Agreement (the “**Effective Date**”), by and between COUNTY OF SOLANO, a general law county of California having a place of operation at 675 Texas Street, Suite 2500, Fairfield, CA 94533 (“**Landlord**”), and DISH Wireless L.L.C., a Colorado limited liability company having a place of business at 9601 S. Meridian Blvd., Englewood, Colorado 80112 (“**Tenant**,” and together with Landlord, the “**Parties**,” each a “**Party**”).

### WITNESSETH:

#### 1. Definitions.

“**Affiliate(s)**” means, with respect to a Party, any person or entity, directly or indirectly, controlling, controlled by, or under common control with such Party, in each case for so long as such control continues. For purposes of this definition, “control” shall mean (i) the ownership, directly or indirectly, or at least fifty percent (50%) of either: (a) the voting rights attached to issued voting shares; or (b) the power to elect fifty percent (50%) of the directors of such entity, or (ii) the ability to direct the actions of the entity. Notwithstanding the preceding, for purposes of this Agreement, EchoStar Corporation and its direct and indirect subsidiaries shall not be deemed to be “Affiliates” of Tenant unless after the Effective Date any such entity qualifies as a direct or indirect subsidiary of DISH Network Corporation.

“**Applicable Law**” means any applicable federal, state or local act, law, statute, ordinance, building code, rule, regulation or permit, or any order, judgment, consent or approval of any Governmental Authority having jurisdiction over the Parties or this Agreement.

“**Governmental Authority**” means any: (i) federal, state, county, municipal, tribal or other local government and any political subdivision thereof having jurisdiction over the Parties or this Agreement; (ii) any court or administrative tribunal exercising proper jurisdiction; or (iii) any other governmental, quasi-governmental, self-regulatory, judicial, public or statutory instrumentality, authority, body, agency, bureau or entity of competent jurisdiction.

“**Installation**” means the installation of Tenant’s Communications Facility at the Premises.

“**Property**” means that certain parcel of real property more particularly described in Exhibit A.

“**Tenant’s Communications Facility**” means Tenant’s communications fixtures and related equipment, cables, accessories and improvements, which may include a suitable support structure, associated antennas, equipment shelters or cabinets and fencing, as well as any lines, wires, cables, circuits, conduits, poles, and associated equipment, improvements, fixtures and appurtenances for any utility or similar services, together with any other items, fixtures, improvements, and equipment that Tenant, in its sole and absolute discretion, deems beneficial and/or necessary to Tenant’s Permitted Use of the Premises.

#### 2. Premises, Term, Rent and Contingencies.

2.1 Premises. Landlord is the owner of the Property located at 1340 Virginia Street, Vallejo, CA 94590. Landlord leases to Tenant a portion of Landlord’s Property consisting of an approximately 35 square foot parcel (the “**Lease Area**”), together with a non-exclusive right of way and easement for ingress and egress and for the installation of lines, wires, cables, circuits, conduits, poles, and associated equipment, improvements, fixtures and

appurtenances for utility and similar services, over, under and along a two foot (2') wide area extending from the nearest public right of way to the Lease Area (together with any additional easements or rights of way described hereinbelow, the "Easements"). The Lease Area and Easements are initially described in Exhibit B and are collectively referred to as the "Premises". Landlord also grants to Tenant: (a) the right to use any available electrical systems and/or fiber installed at the Property to support Tenant's Communications Facility; and (b) any easements on, over, under, and across the Property for utilities, fiber, and/or similar services and access to the Premises. Landlord agrees that providers of utilities, fiber, and/or similar services may use such Easements and/or available conduit(s) for the installation of any equipment necessary to provide utilities, fiber, and/or similar services to the Premises. If the existing utility or fiber sources located within the Premises or on the Property are insufficient for Tenant's Permitted Use or if Tenant or any utility company or third party provider of services is unable to use the Easements, then Landlord agrees to grant Tenant and/or the applicable utility company and/or third party service provider the right, at Tenant's sole cost and expense, to install such utility, fiber, and/or similar services on, over and/or under the Property as is necessary for Tenant's Permitted Use; provided that Landlord and Tenant shall mutually agree on the location of such installation(s).

2.2 Term. This Agreement shall be effective as of the Effective Date. The initial term of this Agreement (the "Initial Term") will commence on the earlier of: (i) the first (1<sup>st</sup>) day of the month following the commencement of Tenant's Installation to be evidenced by correspondence from the Tenant including the building permit issue date, or (ii) one (1) year from the Effective Date (the "Commencement Date"), and will expire at 11:59 PM on the day immediately preceding the fifth (5<sup>th</sup>) anniversary of the Commencement Date unless terminated sooner, renewed or extended in accordance with this Agreement. The Initial Term shall automatically renew for up to four (4) additional terms of sixty (60) months each (each, a "Renewal Term" and together with the Initial Term, the "Term"). However, Tenant may, in Tenant's sole and absolute discretion, elect not to renew the lease at the end of the then-current Term by giving Landlord written Notice at least ninety (90) days prior to the end of the then-current Term. The Parties agree that, subject to the Contingencies, this Agreement constitutes a binding and valid obligation on each Party and that each Party has vested rights in this Agreement as of the Effective Date.

2.3 Rent. Beginning on the Commencement Date and continuing through the term of this Agreement, Tenant shall pay Landlord rent for the Premises ("Rent") in the amount of two thousand seven hundred fifty and 00/100 Dollars (\$2,750.00) per month. The first Rent payment shall be made within twenty (20) business days of the Commencement Date, with subsequent rent payable by the fifth day of each month. On each anniversary of the Commencement Date, the Rent shall be automatically increased by three percent (3 %) of the then-current Rent. Payments shall be delivered to the address designated by Landlord in Section 12.11, or by electronic payment. All payments for any fractional month shall be prorated based upon the number of days during such month that the payment obligation was in force ("Payment Terms"). Tenant shall require receipt of a validly completed IRS approved W-9 form (or its equivalent) prior to paying any Rent or any other amount(s) due under this Agreement.

2.4 Contingencies. The Parties acknowledge and agree that Tenant's ability to lawfully use the Premises is contingent upon Tenant obtaining all certificates, permits, approvals and other authorizations that may be required by any Governmental Authority in accordance with Applicable Law (collectively, the "Governmental Approvals"). Tenant will endeavor to obtain all such Governmental Approvals promptly. Landlord hereby authorizes Tenant, at Tenant's sole cost and expense, to file and submit for Governmental Approvals. Landlord shall: (a) cooperate with Tenant in Tenant's efforts to obtain such Governmental Approvals; (b) promptly execute and deliver all documents necessary to obtain and maintain the Government Approvals; and (c) not take any action that would adversely affect Tenant's ability to obtain and/or maintain the Governmental Approvals. If: (i) any application for Governmental Approvals is rejected, conditioned, materially delayed or otherwise not

approved for any or no reason; or (ii) Tenant determines, in Tenant's sole and absolute discretion, that such Governmental Approvals cannot be obtained in a timely and commercially reasonable manner (clauses (i) and (ii) collectively, the "Contingencies"), then, Tenant shall have the right in its sole and absolute discretion to terminate this Agreement immediately upon Notice to Landlord, without penalty or further obligation to Landlord (or Landlord's affiliates, employees, officers, agents or lenders). If, following the Commencement Date, and through no fault of Tenant, any Governmental Approval issued to Tenant is canceled, expires, lapses or is otherwise withdrawn or terminated by the applicable Governmental Authority, then Tenant shall have the right in its sole and absolute discretion to terminate this Agreement upon ninety (90) days' Notice to Landlord without penalty or further obligation to Landlord (or Landlord's affiliates, employees, officers, agents or lenders). If this Agreement is terminated, this Agreement shall be of no further force or effect (except as set forth to the contrary herein).

### **3. Use, Access and Modifications to Tenant's Communications Facility.**

3.1 Tenant's Permitted Use. Landlord agrees that Tenant may use the Premises for the purpose of the installation, operation, maintenance and management of Tenant's Communications Facility (including, without limitation, the right to transmit and receive radio frequency and other communications signals), which shall include the right to replace, repair, add, or otherwise modify any or all of Tenant's Communications Facility and the frequencies over which Tenant's equipment operates ("Tenant's Permitted Use"). Landlord acknowledges and agrees that if radio frequency signage and/or barricades are required by Applicable Law, Tenant shall have the right to install the same on the Property.

3.2 Access. Commencing on the Effective Date and continuing throughout the Term, Tenant, its employees, agents and contractors shall have unrestricted access to the Premises 24 hours per day, 7 days per week and at no additional cost or expense to Tenant. Further, Landlord grants to Tenant the right of ingress and egress to the Premises.

3.3 Modifications to Tenant's Communications Facility. Tenant's initial Installation of Tenant's Communications Facility, as well as any subsequent additions, repairs, replacements, upgrades or other modifications to and the frequencies and technologies utilized in connection therewith, shall be at the sole and absolute discretion and option of Tenant. Landlord recognizes that Tenant may install an HVAC unit within facility upon Landlord's review and approval of construction plans. Tenant will maintain and replace unit as necessary. Upon lease termination, unit to remain at facility. If any addition, replacement, upgrade, or other modification to Tenant's Communications Facility necessitates long-term or permanent expansion of Tenant's exclusive Lease Area, then Tenant shall first obtain Landlord's approval to expand the Lease Area, such approval not to be unreasonably withheld, conditioned, or delayed. At Tenant's request, Landlord agrees to enter into an amendment to this Agreement documenting any approved expansion of Tenant's Lease Area, as well as a recordable memorandum.

### **4. Utilities, Liens and Taxes.**

4.1 Utilities. Tenant shall take over existing meter previously used by a former tenant (Pagenet) and shall request a billing transfer from PG&E. In the alternative, Tenant shall have its own utility meter installed in a mutually agreed upon location. Tenant may use and make reasonable modifications to the Premises' electrical system to accommodate the electrical requirements of Tenant's Equipment at Tenant's sole cost and expense.

4.2 Liens. Tenant will use commercially reasonable efforts to prevent any lien from attaching to the Property or any part thereof. If any lien is filed purporting to be for labor or material furnished or to be furnished at the request of Tenant, then Tenant shall do all acts necessary to discharge such lien by payment, satisfaction or posting of bond within ninety (90) days of receipt of Notice of the same from Landlord; provided, that Tenant may

contest any such lien if Tenant provides Landlord with cash or a letter of credit in the amount of said lien as security for its payment within such ninety (90) day period, and thereafter diligently contests such lien. In the event Tenant fails to deposit the aforementioned security with Landlord and fails to pay any lien claim after entry of final judgment in favor of the claimant, then Landlord shall have the right to expend all sums reasonably necessary to discharge the lien claim.

4.3 Taxes. Landlord shall pay all taxes that accrue against the Property during the Term. If any such tax or excise is levied or assessed directly against Tenant, then Tenant shall be responsible for and shall pay the taxing authority. Tenant shall be liable for all taxes against Tenant's personal property or Tenant's fixtures placed in the Premises, whether levied or assessed against Landlord or Tenant. Landlord shall reasonably cooperate with Tenant, at Tenant's expense, in any appeal or challenge to Taxes. If, as a result of any appeal or challenge by Tenant, there is a reduction, credit or repayment received by Landlord for any Taxes previously paid by Tenant, Landlord agrees to promptly reimburse to Tenant the amount of said reduction, credit or repayment. If Tenant does not have the standing rights to pursue a good faith and reasonable dispute of any Taxes under this section, Landlord will pursue such dispute at Tenant's sole cost and expense upon written request of Tenant.

## 5. Interference.

Tenant agrees to use commercially reasonable efforts to ensure that Tenant's Communications Facility does not cause measurable Interference (as defined below) with any equipment installed at the Property as of the Effective Date. Following the Effective Date, Landlord agrees not to install or to permit others to install any structure or equipment which could block or otherwise interfere with any transmission or reception by Tenant's Communications Facility ("Interference"). If Interference continues for a period more than forty-eight (48) hours following a Party's receipt of notification thereof, Landlord shall cause any interfering party to cease operating, and/or relocate, the source of Interference, or to reduce the power sufficiently to minimize the Interference until such Interference can be remedied.

## 6. Maintenance and Repair Obligations.

6.1 Landlord Maintenance of Property. Landlord represents and warrants that, as of the Effective Date, the Property is in compliance with Applicable Law. Throughout the term of this Agreement, Landlord shall maintain, at its sole cost and expense, the Property (excluding the Premises) in good operating condition and in compliance with all Applicable Laws. Landlord shall not have any obligation to maintain, repair or replace Tenant's Communications Facility except to the extent required due to the acts and/or omissions of Landlord, Landlord's agents, contractors or other tenants of the Property. Landlord agrees to safeguard Tenant's Communications Facility with the same standard of care it uses to protect its own property, but in no event less than reasonable care. In addition, Tenant may take all actions necessary, in Tenant's reasonable discretion, to secure and/or restrict access to Tenant's Communications Facility.

6.2 Tenant Maintenance of Tenant's Communications Facility. Tenant assumes sole responsibility for the maintenance, repair and/or replacement of Tenant's Communications Facility, except as set forth in Section 6.1. Tenant agrees to perform all maintenance, repair or replacement of Tenant's Communications Facility ("Tenant Maintenance") in accordance with Applicable Law, and in a good and workmanlike manner. Tenant shall not be permitted to conduct Tenant Maintenance in a manner that would materially increase the size of the Premises.

## 7. Surrender and Hold Over.

7.1 **Surrender.** Except as set forth to the contrary herein, within ninety (90) days following the expiration or termination of this Agreement (the “**Removal Period**”), in accordance with the terms of this Agreement, Tenant will remove Tenant’s Communications Facility (excluding footings, pads conduits, pipes, fixtures and improvements to the extent any of the foregoing are installed underground and/or below grade) and surrender the Premises to Landlord in a condition similar to that which existed immediately prior to Tenant’s Installation together with any additions alteration and improvements to the Premises, in either case, normal wear and tear excepted. The Parties acknowledge and agree that Rent will not accrue during the Removal Period. However, if Tenant’s Communications Facility is not removed during the Removal Period, Tenant will be deemed to be in Hold Over (as defined in Section 7.2 below) until Tenant’s Communications Facility is removed from the Premises. Tenant shall have the right to access the Premises or remove any or all of Tenant’s Communications Facility from the Premises at any time during the Term or the Removal Period.

7.2 **Hold Over.** If Tenant occupies the Premises beyond the Removal Period without Landlord’s written consent (“**Hold Over**”), Tenant will be deemed to occupy the Premises on a month-to-month basis, terminable by either Party on thirty (30) days’ written Notice to the other Party. All of the terms and provisions of this Agreement shall be applicable during that period, except that Tenant shall pay Landlord a rental fee equal to the then current monthly Rent applicable at the expiration or termination of the Agreement, prorated for the number of days of such hold over.

## 8. Default, Remedies and Termination.

8.1 **Default.** If any of the following events occur during the Term (each a “Default”), then the non-Defaulting Party may elect one or more of the remedies set forth below in this Section 8 or seek any other remedy available: (a) Tenant’s failure to make any payment required by this Agreement within thirty (30) days after receipt of written Notice from the Landlord of such failure to pay; (b) failure by either Party to observe or perform any provision of this Agreement where such failure: (1) continues for a period of thirty (30) days after written Notice thereof from the non-Defaulting Party and the Defaulting Party has failed to cure or commenced the cure of such Default; and/or (2) based upon Tenant’s reasonable determination, materially affects Tenant’s ability to transmit or receive wireless communications signals to or from the Premises; (c) either Party files a petition in bankruptcy or insolvency or for reorganization or arrangement under the bankruptcy laws or under any insolvency act of any state, or admits the material allegations of any such petition by answer or otherwise, or is dissolved or makes an assignment for the benefit of creditors; and/or (d) involuntary proceedings under any such bankruptcy law or insolvency act or for the dissolution of either Party are instituted against either Party, or a receiver or trustee is appointed for all or substantially all of the property of either Party, and such proceeding is not dismissed, or such receivership or trusteeship vacated within sixty (60) days after such institution or appointment.

8.2 **Remedies.** Upon the occurrence of any uncured Default, the non-Defaulting Party may thereafter terminate this Agreement immediately upon written Notice to the other Party without prejudice to any other remedies the non-Defaulting Party may have at law or in equity.

8.3 **Termination.** Tenant shall have the right to terminate this Agreement without further liability upon thirty (30) days prior written Notice to Landlord due to any one or more of the following: (i) changes in Applicable Law which prohibit or adversely affect Tenant’s ability to operate Tenant’s Communications Facility at the Premises; or (ii) Landlord or a third party installs any structure, equipment, or other item which blocks, hinders, limits, or prevents Tenant from being able to use the Tenant Communications Facility for Tenant’s Permitted Use.

## 9. Limitation of Liability and Indemnification.

9.1 Limitation of Liability. EXCEPT FOR EACH PARTY'S INDEMNIFICATION OBLIGATIONS SET FORTH BELOW IN THIS SECTION 9, NEITHER PARTY NOR ANY OF ITS AGENTS, CONTRACTORS OR EMPLOYEES, SHALL BE LIABLE TO THE OTHER PARTY OR ANY PERSON CLAIMING THROUGH THAT PARTY FOR ANY EXEMPLARY, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CLAIMS CAUSED BY OR RESULTING FROM THE NEGLIGENCE, OF THAT PARTY, ITS AGENTS, CONTRACTORS OR EMPLOYEES.

9.2 Tenant's Indemnity. Except to the extent caused by the breach of this Agreement by Landlord or the acts or omissions of Landlord, its officers, agents, employees, contractors, or any other person or entity for whom Landlord is legally responsible, Tenant shall defend, indemnify and hold Landlord and its officers, directors, shareholders, employees, agents and representatives ("**Landlord's Representatives**") harmless from and against any and all claims, demands, litigation, settlements, judgments, damages, liabilities, costs and expenses (including, without limitation, reasonable attorneys' fees) (individually or collectively, a "**Claim**") arising directly or indirectly out of: (i) any act or omission of Tenant, its officers, agents, employees, contractors, or any other person or entity for whom Tenant is legally responsible ("**Tenant's Representatives**"); or (ii) a breach of any representation, warranty or covenant of Tenant contained or incorporated in this Agreement. Tenant's obligations under this Section 9.2 shall survive the expiration or earlier termination of this Agreement for two (2) years.

9.3 Landlord's Indemnity. Except to the extent caused by the breach of this Agreement by Tenant or the acts or omissions of Tenant or Tenant's Representatives, Landlord shall defend, indemnify and hold Tenant, its officers, directors, shareholders, employees, agents and representatives harmless from and against any and all Claims arising directly or indirectly out of: (i) any act or omission of Landlord, its officers, agents, employees, contractors or any other person or entity for whom Landlord is legally responsible; (ii) a breach of any representation, warranty or covenant of Landlord contained or incorporated in this Agreement; and/or (iii) the generation, possession, use, storage, presence, release, spill, treatment, transportation, manufacture, refinement, handling, production and/or disposal of Hazardous Substances in, on, about, adjacent to, under or near the Premises and/or the Property, and/or any contamination of the Premises and/or the Property by any Hazardous Substance, but only to the extent not caused by Tenant or Tenant's Representatives. Landlord's obligations under this Section 9.3 shall survive the expiration or earlier termination of this Agreement for two (2) years.

9.4 Indemnification Procedure. The Party seeking indemnification (the "**Indemnified Party**") shall promptly send Notice to the Party from whom indemnification is being sought (the "**Indemnifying Party**") of the claim or suit for which indemnification is sought. The Indemnified Party shall not make any admission as to liability or agree to any settlement of or compromise any claim without the prior written consent of the Indemnifying Party. The Indemnified Party shall, at the Indemnifying Party request and expense, give the Indemnifying Party all reasonable assistance in connection with those negotiations and litigation.

## 10. Insurance.

10.1 Landlord Obligations. Throughout the Term, Landlord shall maintain, at Landlord's sole cost and expense, the following insurance coverage Commercial General Liability of not less than \$1,000,000 per occurrence and \$2,000,000 aggregate. All such policies shall be endorsed to include Tenant as an additional insured. Subject to the policy minimums set forth above in this Section 10.1, the insurance required of Landlord hereunder may be maintained by a blanket or master policy that includes properties other than the Property.

10.2 Tenant Obligations. Throughout the Term, Tenant shall maintain, at Tenant's sole cost and expense, the following insurance coverage: (i) workers' compensation insurance with no less than the minimum

limits required by Applicable Law; (ii) employer's liability insurance with such limits as required by Applicable Law; and (iii) Commercial General Liability with a minimum limit of \$1,000,000 per occurrence and \$2,000,000 aggregate. All such policies shall be endorsed to include Landlord as additional insured.

10.3 Insurance Requirements. All policies required by this Section 10 shall be issued by insurers that are (1) licensed to do business in the state in which the Property are located, and (2) rated A- or better by Best's Key Rating Guide.

10.4 Waiver of Subrogation. To the fullest extent permitted by law, Landlord and Tenant for themselves and any and all parties claiming under or through them, including, without limitation, their respective insurers, hereby mutually release and discharge each other and the other's Affiliates, and their respective officers, directors, shareholders, agents, employees, contractors, and/or any other person or entity for whom a Party is legally responsible from any claims for damage to any person or to the Premises or any other real or personal property that are or are claimed to have been caused by or result from risks insured against under any insurance policies carried by the waiving party and in force at the time of such damage and hereby waive any right of subrogation that might otherwise exist in or accrue to any person on account thereof. All policies required to be carried by either Party herein shall contain an endorsement in favor of the other Party waiving the insurance company's right of subrogation against such other Party. THIS RELEASE SHALL APPLY EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE FAULT OR NEGLIGENCE OF A PARTY HERETO OR BY ANY PERSON FOR WHICH SUCH PARTY IS RESPONSIBLE. EACH PARTY AGREES TO NOTIFY ITS INSURANCE CARRIER(S) OF THIS PROVISION.

## 11. Representations and Warranties.

11.1 Representations and Warranties. Landlord represents, warrants and covenants that: (a) Landlord has the right and authority to execute and perform this Agreement; (b) there are no liens, judgments or other title matters materially and adversely affecting Landlord's title to the Property; (c) there are no covenants, easements or restrictions that prevent the use of the Premises for Tenant's Permitted Use; (d) the Premises are in good repair and suitable for Tenant's Permitted Use; (e) Landlord will comply with all federal, state, and local laws in connection with any substances brought on to the Property that are identified as toxic or hazardous by any Applicable Law, ordinance or regulation ("**Hazardous Substance**"); and (f) Tenant's use and quiet enjoyment of the Premises shall not be disturbed. Landlord is responsible for any loss or damage, including remediation, with respect to Hazardous Substances as per Applicable Law. Landlord understands and agrees that notwithstanding anything contained in this Agreement to the contrary, in no event shall Tenant have any liability whatsoever with respect to any Hazardous Substance that was on, about, adjacent to, under or near the Property prior to the Effective Date, or that was generated, possessed, used, stored, released, spilled, treated, transported, manufactured, refined, handled, produced or disposed of on, about, adjacent to, under or near the Property by: (1) Landlord, its agents, employees, contractors or invitees; or (2) any third party who is not an employee, agent, contractor or invitee of Tenant.

## 12. Miscellaneous.

12.1 Assignment and Subletting. Tenant has the right to sublease the Premises or assign or otherwise transfer any of its rights or obligations under this Agreement, in whole or in part, with the approval of Landlord, which shall not be unreasonably withheld, conditioned, or delayed. Upon notification and approval from Landlord of an assignment or transfer of this Agreement, Tenant will be relieved of all future performance, liabilities and obligations under this Agreement to the extent of such assignment. Notwithstanding the foregoing, any assignment or transfer of any rights or obligations under this Agreement, in whole or in part, to an affiliate of Tenant shall not be considered an assignment requiring consent under this Section 12.1. .

12.2 Rights Upon Sale of Property. Should Landlord, at any time during the Term, sell or transfer all or any part of the Property to a purchaser other than Tenant, such transfer shall be subject to this Agreement and Landlord shall require any such purchaser or transferee to recognize Tenant's rights under the terms of this Agreement in a written instrument signed by Landlord and the third party transferee. If Landlord completes any such transfer without executing such a written instrument, then Landlord shall not be released from its obligations to Tenant under this Agreement, and Tenant shall have the right to look to Landlord and the third party for the full performance of this Agreement. In addition to, and not in limitation of the preceding, in the event the Landlord sells or transfers either its rights in all or any portion of the Premises or Landlord's right to receive the Rent (and other payments) derived from the Premises under this Agreement, in either case separate from the underlying Property, to any third party who is not an Affiliate of Landlord, then prior to any such sale or transfer Landlord shall first provide Tenant with a right of first refusal ("ROFR") to acquire such right(s). In order to evaluate the terms and conditions offered to Landlord by such third party Landlord shall provide Tenant with a full, complete and unredacted copy thereof and Tenant shall have thirty (30) days from receipt thereof to elect to exercise its ROFR; provided that Tenant's exercise of the ROFR shall be on the same terms and conditions as offered to Landlord by such third party (except as may be mutually agreed upon to the contrary).

12.3 Subordination and Non-Disturbance. This Agreement shall be subordinate to any mortgage, deed of trust, or other security agreement (each a "Mortgage") by Landlord which, from time to time, may encumber all or part of the Property; provided, however, the lender under every such Mortgage shall, in the event of a foreclosure of Landlord's interest, recognize the validity of this Agreement and Tenant's right to remain in occupancy of and have access to the Premises, as long as no Default by Tenant exists under this Agreement. If the Property is encumbered by a Mortgage, then Landlord shall, promptly following Tenant's request, obtain and furnish to Tenant a non-disturbance agreement, in recordable form, for each such Mortgage.

12.4 Condemnation. If all or any portion of the Premises is condemned, taken by a Governmental Authority or otherwise appropriated by the exercise of the right of eminent domain or a deed or conveyance in lieu of eminent domain (each, a "Taking"), either Party hereto shall have the right to terminate this Agreement immediately upon Notice to the other Party. If either Party elects to terminate this Agreement, the Rent set forth herein shall be abated, and Tenant's liability therefor will cease as of the date of such Taking, this Agreement shall terminate as of such date, and any prepaid rent shall be returned to Tenant. If this Agreement is not terminated as herein provided, then it shall continue in full force and effect, and Landlord shall, within a reasonable time after possession is physically taken by the condemning authority restore the remaining portion of the Premises to render it reasonably suitable for the uses permitted by this Agreement and the Rent shall be proportionately and equitably reduced. Notwithstanding the foregoing, Landlord shall not be obligated to expend an amount greater than the proceeds received from the condemning authority less all expenses reasonably incurred in connection therewith (including attorneys' fees) for the restoration. All compensation awarded in connection with a Taking shall be the property of Landlord, provided that if allowed under Applicable Law, Tenant may apply for and keep as its property a separate award for (i) the value of Tenant's leasehold interest; (ii) the value of Tenant's Communications Facility or other personal property of Tenant; (iii) Tenant's relocation expenses; and (iv) damages to Tenant's business incurred as a result of such Taking.

12.5 Recording. If requested by Tenant, Landlord and Tenant agree to execute a Memorandum of Lease that Tenant may record at Tenant's sole cost and expense. The date set forth in the Memorandum of Lease is for recording purposes only, and bears no reference to commencement of the Term or rent payments of any kind.

12.6 Force Majeure. Notwithstanding anything to the contrary in this Agreement, neither Party shall be liable to the other Party for nonperformance or delay in performance of any of its obligations under this Agreement due to causes beyond its reasonable control, including, without limitation, strikes, lockouts,



pandemics, labor troubles, acts of God, accidents, technical failure governmental restrictions, insurrections, riots, enemy act, war, civil commotion, fire, explosion, flood, windstorm, earthquake, natural disaster or other casualty ("**Force Majeure**"). Upon the occurrence of a Force Majeure condition, the affected Party shall immediately notify the other Party with as much detail as possible and shall promptly inform the other Party of any further developments. Immediately after the Force Majeure event is removed or abates, the affected Party shall perform such obligations with all due speed. Neither Party shall be deemed in default of this Agreement to the extent that a delay or other breach is due to or related to a Force Majeure event. A proportion of the Rent herein reserved, according to the extent that such Force Majeure event shall interfere with the full enjoyment and use of the Premises, shall be suspended and abated from the date of commencement of such Force Majeure event until the date that such Force Majeure event subsides. If such Force Majeure event prevents the affected Party from performing its obligations under this Agreement, in whole or in part, for a period of forty-five (45) or more days, then the other Party may terminate this Agreement immediately upon Notice to the affected Party.

12.7 Successors and Assigns. The respective rights and obligations provided in this Agreement shall bind and shall continue to apply for the benefit of the Parties hereto, their legal representative, heirs, successors and permitted assigns. The rights granted to Tenant herein shall extend to any subtenant's of Tenant without necessity in each instance of expressly stating so.

12.8 Governing Law and Construction. This Agreement shall be construed, governed and enforced in accordance with the laws of the state in which the Premises is located. The section and paragraph headings contained in this Agreement are solely for reference purposes, and shall not affect in any way the meaning or interpretation of this Agreement.

12.9 Severability. Each provision of this Agreement shall be construed as separable and divisible from every other provision and the enforceability of any one provision shall not limit the enforceability, in whole or in part, of any other provision. If a court or administrative body of competent jurisdiction holds any provision of this Agreement to be invalid, illegal, void or less than fully enforceable as to time, scope or otherwise, such provision shall be construed by limiting and reducing it so that such provision is valid, legal and fully enforceable while preserving to the greatest extent permissible the original intent of the parties; the remaining terms and conditions of this Agreement shall not be affected by such alteration, and shall remain in full force and effect.

12.10 Waiver; Remedies. It is agreed that, except as expressly set forth in this Agreement, the rights and remedies herein provided in case of Default or breach by either Landlord or Tenant are cumulative and shall not affect in any manner any other remedies that the non-breaching Party may have by reason of such default or breach. The exercise of any right or remedy herein provided shall be without prejudice to the right to exercise any other right or remedy provided herein, at law, in equity or otherwise. In addition to, and not in limitation of, the preceding, the Parties acknowledge and agree that there will not be an adequate remedy at law for noncompliance with the provisions of Section 5, and therefore either Party shall have the right to equitable remedies, including, without limitation, injunctive relief and specific performance.

12.11 Notice. All notices or requests that are required or permitted to be given pursuant to this Agreement must be given in writing by certified US mail (postage pre-paid) with return receipt requested or by courier service (charges prepaid), or solely in the case of notice to Landlord by email, to the party to be notified, addressed to such party at the address(es) or email address(es) set forth below, or such other address(es), email address(es) or fax number(s) as such Party may have substituted by written notice (given in accordance with this Section 12.11) to the other Party ("**Notice**"). The sending of such Notice to the proper email address (in the case of email transmission) or the receipt of such Notice (in the case of delivery by first-class certified mail or by courier service) will constitute the giving thereof.

**If to be given to Landlord:**

County of Solano  
Attn: Dale Eyeler

*If by courier service:*

675 Texas Street, Suite 2500  
Fairfield, CA 94533

*If by first-class certified mail:*

675 Texas Street, Suite 2500  
Fairfield, CA 94533

*If by email:*

Email address: dleyeler@solanocounty.com

**If to be given to Tenant:**

DISH Wireless L.L.C.

Attn: Lease Administration, Site ID  
SFSFO00369B; landlordrelations@dish.com  
5701 South Santa Fe Drive  
Littleton, Colorado 80120

*For general contact purposes:*

llrelations@dish.com;  
landlordrelations@dish.com

12.12 Entire Agreement. This Agreement sets forth the entire, final and complete understanding between the Parties hereto regarding the subject matter of this Agreement, and it supersedes and replaces all previous understandings or agreements, written, oral, or implied, regarding the subject matter of this Agreement made or existing before the date of this Agreement. Except as expressly provided by this Agreement, no waiver or modification of any of the terms or conditions of this Agreement shall be effective unless in writing and signed by both Parties. Any provision of this Agreement that logically would be expected to survive termination or expiration, shall survive for a reasonable time period under the circumstances, whether or not specifically provided in this Agreement.

12.13 Compliance with Law. Each Party shall, with respect to its actions and/or inactions pursuant to and in connection with this Agreement, comply with all applicable statutes, laws, rules, ordinances, codes and governmental or quasi-governmental orders or regulations (in each case, whether federal, state, local or otherwise) and all amendments thereto, now enacted or hereafter promulgated and in force during the term of this Agreement, a Renewal Term or any extension of either of the foregoing.

12.14 Counterparts. This Agreement may be executed in any number of identical counterparts and, if so executed, shall constitute one agreement, binding on all the Parties hereto, notwithstanding that all the Parties are not signatories to the original or the same counterpart. Execution of this Agreement by facsimile or electronic signature shall be effective to create a binding agreement and, if requested, Landlord and Tenant agree to exchange original signed counterparts in their possession.

12.16 Incorporation of Exhibits. All exhibits referenced herein and attached hereto are hereby incorporated herein in their entirety by this reference.

*[Remainder of page intentionally left blank. Signature page follows.]*

IN WITNESS WHEREOF, the Parties have caused their duly authorized representatives to execute this Agreement as of the Effective Date.

**LANDLORD:**

**COUNTY OF SOLANO**

By: Bill Emlen  
Name: Bill Emlen  
Its: CAO  
Date: 4/11/25

**TENANT:**

**DISH WIRELESS L.L.C.**

By: Satish Sharma  
Name: Satish Sharma  
Its: Executive VP  
DISH Wireless  
Date: 2-7-2025

APPROVED AS TO FORM

Office of County Counsel

By: M. Williams, Deputy  
Date: March 26, 2025

EXHIBIT A

LEGAL DESCRIPTION OF PROPERTY

All that real property situate in the City of Vallejo, County of Solano, State of California, and particularly described as follows, to-wit:

Beginning in the extension easterly of the north line of Virginia Street, as said street is shown on that certain map entitled "Subdivision of Ten Acre Lot No. 56, City of Vallejo, County of Solano, California", which map was filed in the office of the County Recorder of said County and State January 15, 1905, and recorded in Book 1 of Maps, page 50, at a point which is South 88° 56' East, 626.82 feet along said north line extended from the southeast corner of Block 311-B as shown on said Map, thence North 1° 04' East, 75 feet; thence South 89° 30' East, 100 feet to a point in the West line of Tuolumne Street; thence South 0° 29' East, 65.99 feet, more or less, along said west line to a point in said extension of the north line of Virginia Street; thence North 88° 56' West, 100.76 feet, more or less, to the point of beginning.

PARCEL ID: 0057-140-010

EXHIBIT B

SURVEY AND/OR SITE PLAN

See attached drawings.

**NOTE:** Tenant may be referred to in the attached as "DISH Wireless".

**NOTE ALSO:** Certain right of way grants of easements for access and utilities as provided in the Agreement may or may not be described or depicted in the attached drawings.

# dish wireless™

DISH Wireless L.L.C. SITE ID:  
**SFSFO00369B**

DISH Wireless L.L.C. SITE ADDRESS:  
**1340 VIRGINIA ST  
VALLEJO, CA 94590**

## CALIFORNIA CODE OF COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE CALIFORNIA ELECTRICAL CODE (CEC), CALIFORNIA ELECTRICAL CODE (CEC) 2002 CALIFORNIA BUILDING CODE (CBC) (2002) 2021 IBC, CALIFORNIA MECHANICAL CODE (CMC) (2002) 2021 IBC AND CALIFORNIA FIRE CODE (CFC) (2002) 2021 IBC.

SHEET NO.	SHEET TITLE	SHEET INDEX
T-1	TITLE SHEET	
A-1	OVERALL AND EXHAUSTED SITE PLAN	
A-1.1	OVERALL PLAN, NEW PLAN AND SCHEDULE	
A-2	EXHAUST AND PROPOSED NEW EXHAUST	
A-2.1	EXHAUST AND PROPOSED NEW EXHAUST	
A-3	PROPOSED EXHAUST PLAN AND ELECTION	
A-4	EXHAUST DETAILS	
A-5	EXHAUST DETAILS	
F-1	FIBER ROUTE PLAN AND DETAILS	
M-0	MECHANICAL SCHEDULES & GENERAL NOTES	
M-1	MECHANICAL PLAN ELECTION	
E-1	ELECTRICAL ROUTE PLAN AND NOTES	
E-2	ELECTRICAL DETAILS	
E-3	ELECTRICAL ONE-LINE, PANEL SCHEDULES & PANEL SCHEDULE	
G-1	GROUNDING PLAN AND NOTES	
G-2	GROUNDING DETAILS	
G-3	GROUNDING DETAILS	
RF-1	RF CABLE ROUTE CODE	
RM-1	LEGEND AND ABBREVIATIONS	
RM-2	GENERAL NOTES	
RM-3	GENERAL NOTES	
RM-4	RF SERVICE	
CM-3	RF SERVICE	

## SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTORS SHALL CONSULT WITH THE ENGINEER FOR ANY ADDITIONAL CONTRACTOR SHALL VERIFY ALL WORK IS ACCORDANT TO PROVISIONS AND PATENTIAL SITE THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

- TOWER SCOPE OF WORK:
  - INSTALL (0) PROPOSED PANEL MOUNTING (1 FROM SECTION)
  - INSTALL (0) PROPOSED PANEL MOUNTING (1 FROM SECTION)
  - INSTALL (0) PROPOSED TOWER PERIMETER FENCING
  - INSTALL (0) PROPOSED WIND MITIGATION
  - INSTALL (0) PROPOSED FIBER PROTECTION TUBING
  - INSTALL (0) PROPOSED FIBER PROTECTION MOUNTING (0/0)
- GROUNDING SCOPE OF WORK:
  - INSTALL (0) PROPOSED EQUIPMENT FEED BACK
  - INSTALL (0) PROPOSED TOWER COORDINATION
  - INSTALL (0) PROPOSED EQUIPMENT FEED BACK
  - INSTALL (0) PROPOSED EQUIPMENT FEED BACK
  - INSTALL (0) PROPOSED EQUIPMENT FEED BACK
  - INSTALL (0) PROPOSED EQUIPMENT FEED BACK
  - INSTALL (0) PROPOSED EQUIPMENT FEED BACK
  - INSTALL (0) PROPOSED EQUIPMENT FEED BACK
- MECHANICAL SCOPE OF WORK:
  - INSTALL (0) PROPOSED MECHANICAL EQUIPMENT
  - INSTALL (0) PROPOSED MECHANICAL EQUIPMENT
  - INSTALL (0) PROPOSED MECHANICAL EQUIPMENT
  - INSTALL (0) PROPOSED MECHANICAL EQUIPMENT
  - INSTALL (0) PROPOSED MECHANICAL EQUIPMENT
  - INSTALL (0) PROPOSED MECHANICAL EQUIPMENT
  - INSTALL (0) PROPOSED MECHANICAL EQUIPMENT
  - INSTALL (0) PROPOSED MECHANICAL EQUIPMENT

MECHANICAL SCOPE OF WORK: MECHANICAL EQUIPMENT FOR COOLING AND ALL ASSOCIATED PIPING FOR COOLING WATER DISTRIBUTION OF NEW MAKE FAN COOLATION.

## SITE PHOTO



## GENERAL NOTES

THE PROJECT IS UNBANNED AND NOT FOR BEARING VERIFICATION A TYPHOON WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE THE PROJECT WILL NOT BESET UP ANY ADDITIONAL PERMITTING OR OTHER CONSTRUCTION IN PROGRESS. THE PROJECT SERVICE PROVIDER SHOULD VERIFY ON THEIR SIDE OF RESPONSIBILITY AND IN COMPLIANCE WITH CALIFORNIA ELECTIONS AND LOCAL ORDINANCES.

11'x17' PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTORS SHALL VERIFY ALL SITE ELECTIONS, PERMITS, AND COMPLIANCE FOR THE JOB SITE AND SHALL MAINTAIN ALL PERMITS AND ELECTIONS AT ALL TIMES THROUGHOUT THE PROJECT.

## SITE INFORMATION

PROPERTY OWNER	VERTICAL SERVICE HOLDING LTD.
ADDRESS	790 PARK OF COMMERCE DR. SUITE 200 SAN FRANCISCO, CA 94107
TOWER TYPE	TOWER
TOWER CO SITE ID	US-C-0118
TOWER APP NUMBER	US-C-0118
COUNTY	SOLANO
LATITUDE (NAD 83)	38.102857
LONGITUDE (NAD 83)	-122.509319
ZONING ASSOCIATION	SOLANO COUNTY
ZONING DISTRICT	PLATE AND SEM-PUBLIC
PARCEL NUMBER	0057140010
OCCUPANT GROUP	U
CONSTRUCTION TYPE	1-2
POWER COMPANY	PG&E
TELEPHONE COMPANY	AT&T (TDL)

## PROJECT DIRECTORY

APPLICANT	DISH Wireless L.L.C. 5701 SOUTH SAVAN, FT. COCKER LITTLETON, CO 80120
SITE DESIGNER	THE CDR GROUP 2840 HOME ROAD, SUITE E WINTER, CA 94595
SITE ARCHITECT	PAUL WARDON paulwardon@pwardon.com
CONSTRUCTION MANAGER	DAVID BARKER david.barker@dish.com

## DIRECTIONS

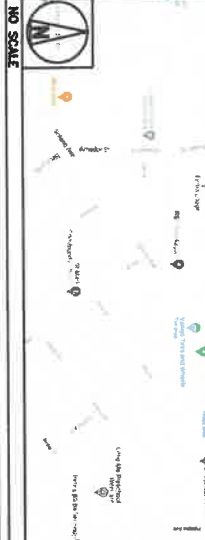
DIRECTIONS FROM SAN FRANCISCO INTERNATIONAL AIRPORT:

N GET ON US-101 N IN SOUTH SAN FRANCISCO ALLEYS TAKE EXIT 300 FROM I-580 E

E TAKE SR 580 E TO MAIN FIVE/COLUMBIA ST & TURN RIGHT ON 580 E

E TAKE EXITS ON SR 580 E TO MAIN FIVE/COLUMBIA ST & TURN LEFT ON 580 E

## VICINITY MAP



5 OF 15 WORKSHEETS FOR THE JOB. ALL WORKSHEETS MUST BE REVIEWED AND APPROVED BY THE DESIGNER BEFORE ANY CONSTRUCTION COMMENCES. THE DESIGNER WILL BE RESPONSIBLE FOR ALL WORKSHEETS AND SHALL MAINTAIN THE ORIGINAL SET AND ALL REVISIONS AND SHALL PROVIDE A COMPLETE SET OF WORKSHEETS TO THE CONTRACTOR.

DRAWN BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name]

REV # DATE DESCRIPTION

1	04/02/2023	ISSUE FOR PERMITS
2	04/02/2023	ISSUE FOR PERMITS
3	04/02/2023	ISSUE FOR PERMITS
4	04/02/2023	ISSUE FOR PERMITS
5	04/02/2023	ISSUE FOR PERMITS

CONSTRUCTION DOCUMENTS

SUBMITTALS

DATE DESCRIPTION

A	04/02/2023	ISSUE FOR PERMITS
B	04/02/2023	ISSUE FOR PERMITS
C	04/02/2023	ISSUE FOR PERMITS
D	04/02/2023	ISSUE FOR PERMITS

A/E PROJECT NUMBER: SFSFO00369B

DISH Wireless L.L.C. PROJECT INFORMATION: SFSFO00369B

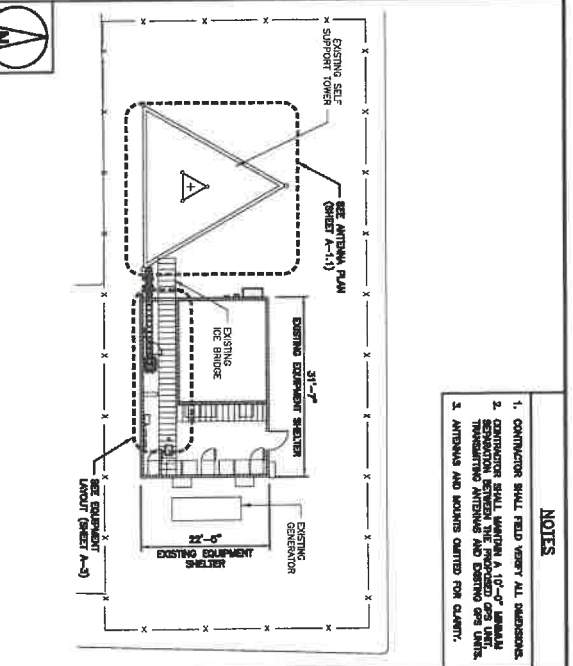
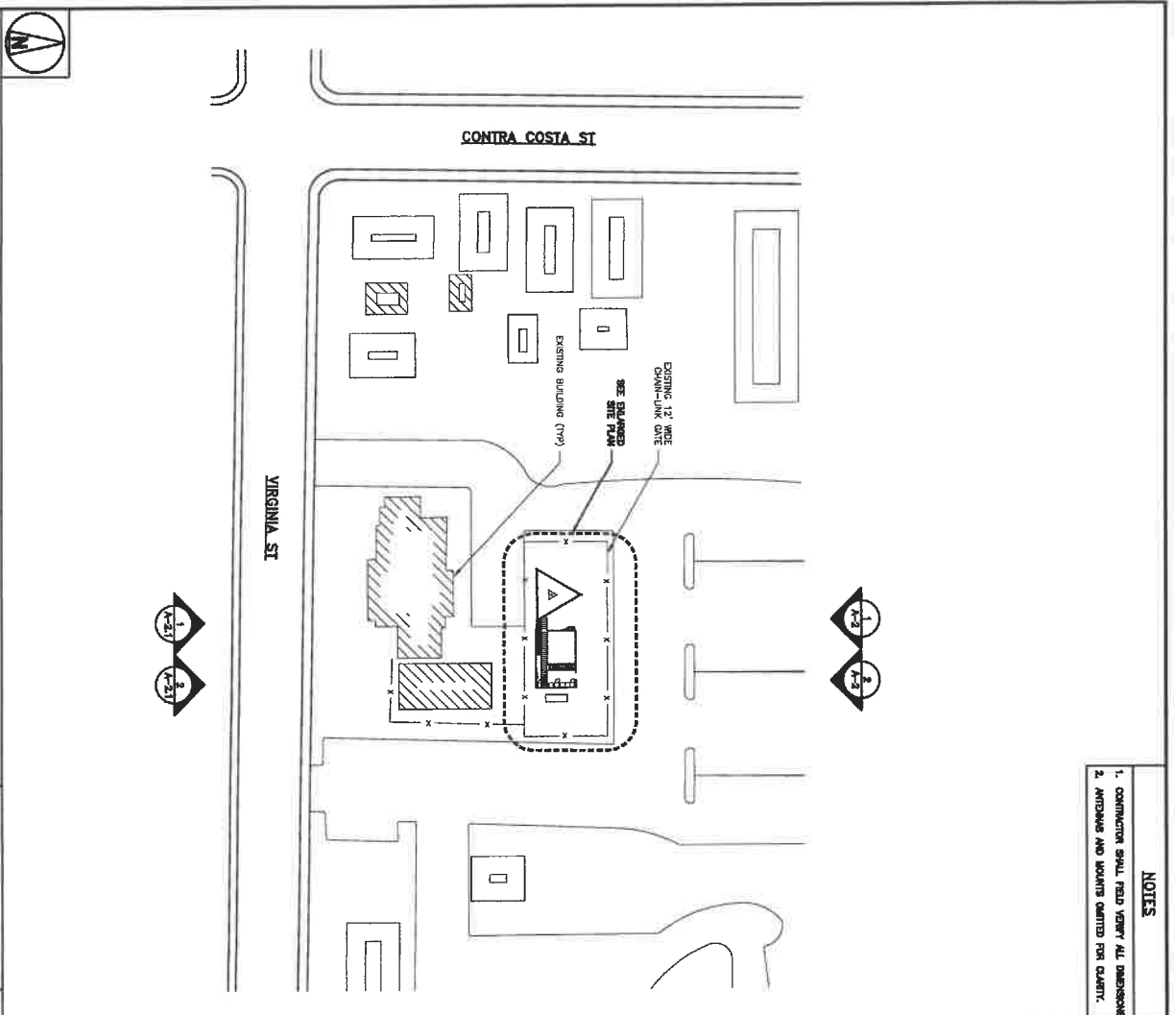
1340 VIRGINIA ST VALLEJO, CA 94590

SHEET TITLE: TITLES SHEET

SHEET NUMBER: T-1

- NOTES**
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
  2. ANTENNAS AND MOUNTS OBTAINED FOR CLARITY.

- NOTES**
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
  2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM CLEARANCE FROM ALL EXISTING ANTENNAS AND EXISTING CEN UNITS.
  3. ANTENNAS AND MOUNTS OBTAINED FOR CLARITY.



OVERALL SITE PLAN




1


NOT USED

NO SCALE


3



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



2840 HOME ROAD, SUITE E  
WARKENTZ, CA 94553  
www.theGBRgroup.com



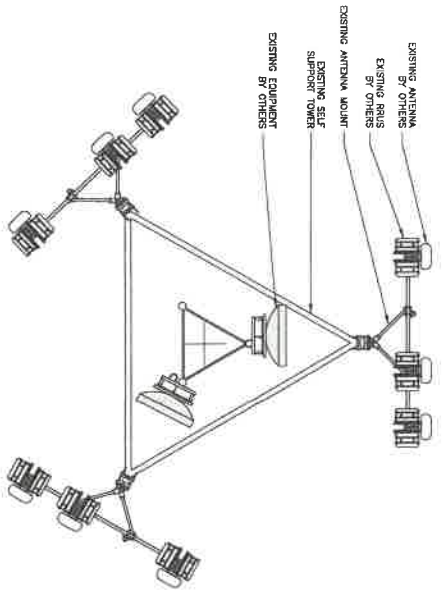
REGISTERED PROFESSIONAL ENGINEER  
No. 00001  
State of California  
Civil Engineering

DATE: 04/08/2023  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 REVISIONS:

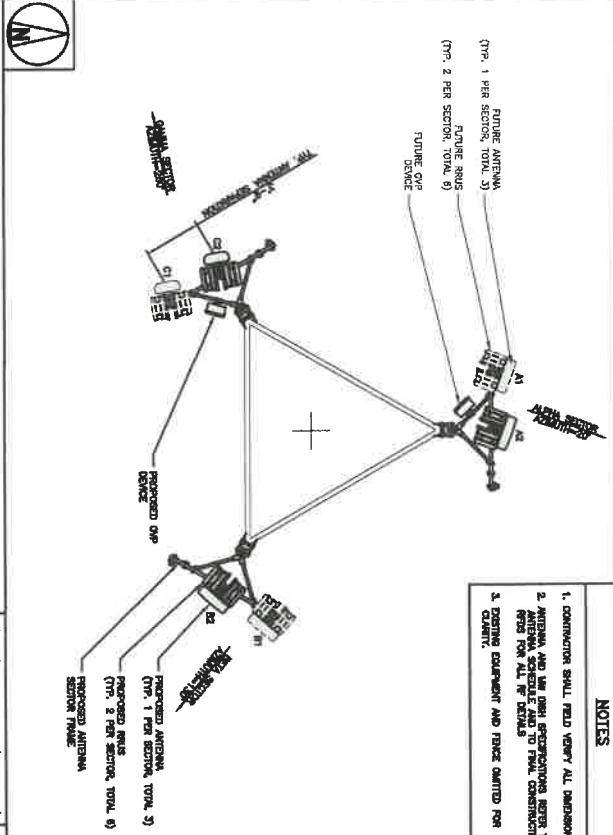
REV	DATE	DESCRIPTION
A	04/13/2023	SEE CITY PERMITS
B	07/17/2023	SEE CONSTRUCTION CHANGES
C	08/17/2023	CONSTRUCTION CHANGES
D	08/17/2023	PER CITY COMMENTS

PROJECT INFORMATION:  
 SFSF0003589B  
 1340 VIRGINIA ST  
 VALLEJO, CA 94590

SHEET TITLE:  
 OVERALL AND ENLARGED  
 SITE PLAN  
 SHEET NUMBER:  
 A-1



EXISTING ANTENNA AND BRIS PLAN @ 86' AGL (TO REMAIN)



PROPOSED ANTENNA AND BRIS PLAN @ 100' AGL



- NOTES**
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
  2. ANTENNA AND BRIS SHALL BE CONSTRUCTED TO MEET ALL REQUIREMENTS AND TO FULL CONSTRUCTION PER ALL PER DETAILS.
  3. EXISTING EQUIPMENT AND BRIS REMOVED FOR CLARITY.

SECTION	POSITION	FORMER OF PROPOSED	MANUFACTURER - MODEL NUMBER	TECHNOLOGY	SIZE (DIAMETER)	HEIGHT	NO. OF SECTORS	TRANSMISSION CABLE TYPE AND LENGTH
ALPHA	A1	PROPOSED	ANTENNA - T80	-	72.4"X28.7"X7.7"	20'	100'-0"	(1) 180°-CAPACITY WIRE MESH CABLE (100' LENGTH)
	A2	PROPOSED	DELTA - C8150AK	60	72.4"X28.7"X7.7"	20'	100'-0"	
BETA	B1	PROPOSED	ANTENNA - T80	-	72.4"X28.7"X7.7"	130'	100'-0"	
	B2	PROPOSED	DELTA - C8150AK	60	72.4"X28.7"X7.7"	130'	100'-0"	
OMEGA	C1	PROPOSED	ANTENNA - T80	-	72.4"X28.7"X7.7"	280'	100'-0"	
	C2	PROPOSED	JWA - W8000000-21	60	72.4"X28.7"X7.7"	280'	100'-0"	

SECTION	POSITION	FORMER OF PROPOSED	MANUFACTURER - MODEL NUMBER	TECHNOLOGY	SIZE (DIAMETER)	HEIGHT	NO. OF SECTORS	TRANSMISSION CABLE TYPE AND LENGTH
ALPHA	A1	PROPOSED	ANTENNA - T80	70	18.0"X18.0"X18.0"	100'	100'-0"	NOTES 1. CONTRACTOR TO REFER TO FINAL DETAILS. 2. ANTENNA AND BRIS MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL CHANGES MUST BE APPROVED BY THE DESIGN AND STRUCTURE ANALYSTS.
BETA	B1	PROPOSED	ANTENNA - T80	70	18.0"X18.0"X18.0"	100'	100'-0"	
	B2	PROPOSED	DELTA - C8150AK	60	18.0"X18.0"X18.0"	100'	100'-0"	
OMEGA	C1	PROPOSED	ANTENNA - T80	70	18.0"X18.0"X18.0"	100'	100'-0"	
	C2	PROPOSED	JWA - W8000000-21	60	18.0"X18.0"X18.0"	100'	100'-0"	

ANTENNA SCHEDULE

NO SCALE

3

5701 SOUTH SAINA FE DRIVE  
LITTLETON, CO 80120

2840 HOWE ROAD, SUITE E  
MARTINEZ, CA 94553  
www.thegbrgroup.com



IT IS A VIOLATION OF LAW FOR ANY PERSON TO REPRODUCE OR TRANSMIT THIS DOCUMENT IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER.

DRAWN BY: [CHECKED BY] APPROVED BY: [SIGNATURE]

REV# REV # DATE DESCRIPTION

1 04/05/2023

**CONSTRUCTION DOCUMENTS**

REVISIONS

REV#	DATE	DESCRIPTION
1	04/05/2023	ISSUE FOR PERMIT

**PROJECT INFORMATION**

PROJECT NUMBER: SPSF00003698

PROJECT NAME: DISH WIRELESS L.L.C. SPSF00003698

PROJECT ADDRESS: 1340 VIRGINIA ST. VALLEJO, CA 94590

**SHEET TITLE**

ANTENNA PLAN, BRIS PLAN AND SCHEDULE

**SHEET NUMBER**

A-1.1



- NOTES**
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
  2. ANTENNA AND MOUNT SPECIFICATIONS REFER TO PERMITS AND TO FINAL CONSTRUCTION PERMITS FOR ALL PERMITS.
  3. TOWER STRUCTURAL AND ANTENNA LOAD ANALYSIS IS TO BE DONE BY OTHERS.

**dish**  
wireless

5701 SOUTH SANFERNANDO  
LITTLETON, CO 80120

**THE CAR GROUP**  
2840 HOME ROAD, SUITE E  
MARTINEZ, CA 94553  
www.thecargroup.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE A LICENSED PROFESSIONAL ENGINEER OR A LICENSED PROFESSIONAL ARCHITECT, TO SEAL THIS DOCUMENT.

DRAWN BY: [ ] CHECKED BY: [ ] APPROVED BY: [ ]

PK: [ ]

REDS REV: # 3 04/09/2023

**CONSTRUCTION DOCUMENTS**

REV	DATE	DESCRIPTION
A	04/11/2023	ISSUE FOR PERMITS
B	07/17/2023	FOR CONSTRUCTION PERMITS
C	04/12/2024	CONSTRUCTION PERMITS CHANGE
D	04/09/2024	FOR CONSTRUCTION PERMITS

AAE PROJECT NUMBER: SFSF0003698

DISH Wireless, L.L.C.  
PROJECT INFORMATION  
SFSF0003698  
1340 VIRGINIA ST  
VALLEJO, CA 94590

SHEET TITLE  
EXISTING AND PROPOSED  
NORTH ELEVATION  
SHEET NUMBER  
**A-2**

**EXISTING NORTH ELEVATION**

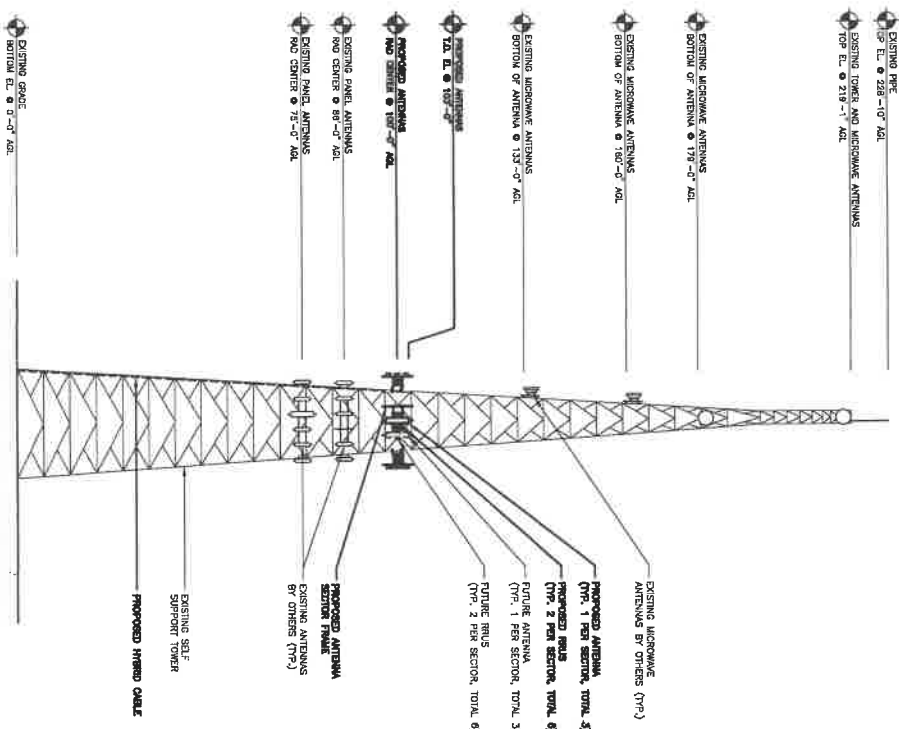
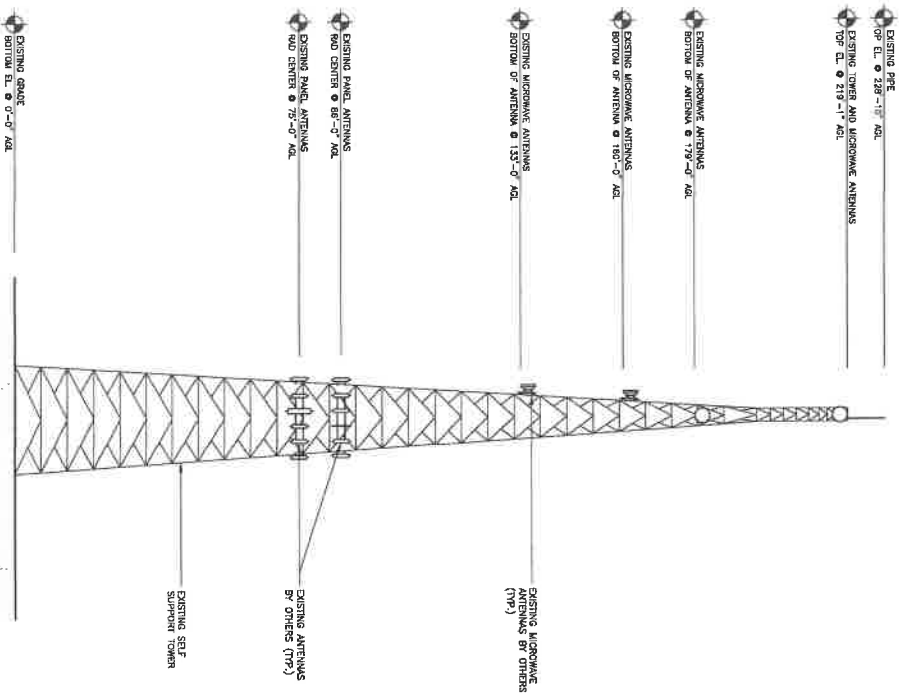


1

**PROPOSED NORTH ELEVATION**



2



**NOTES**

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNA AND TOWER DATA SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION PERMITS FOR ALL PERMITS.
3. TOWER STRUCTURAL AND ANTENNA LOAD ANALYSIS IS TO BE DONE BY OTHERS.



I BE A NOTARION OF LAW FOR ANY PERSON, FIRM OR CORPORATION, WHOSE SIGNATURE, SEAL AND EXPIRATION DATE I HAVE VERIFIED AND I HEREBY CERTIFY THAT THE SIGNATURE OF THE ABOVE-NAMED PERSON IS THE SIGNATURE OF THE PERSON WHOSE NAME IS PRINTED HEREIN. I DO NOT PROVIDE THIS NOTARIAL SERVICE TO ANY OTHER PERSON OR ENTITY.

DRAWN BY: CHECKED BY: APPROVED BY: [Signature]  
DATE: 04/09/2023

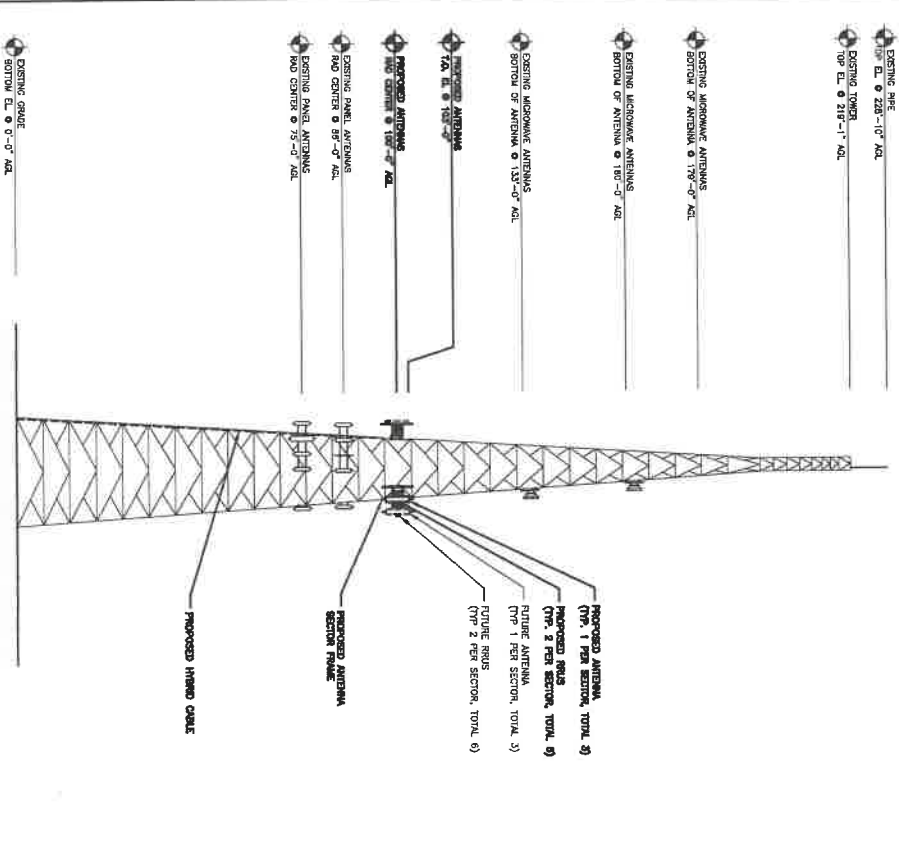
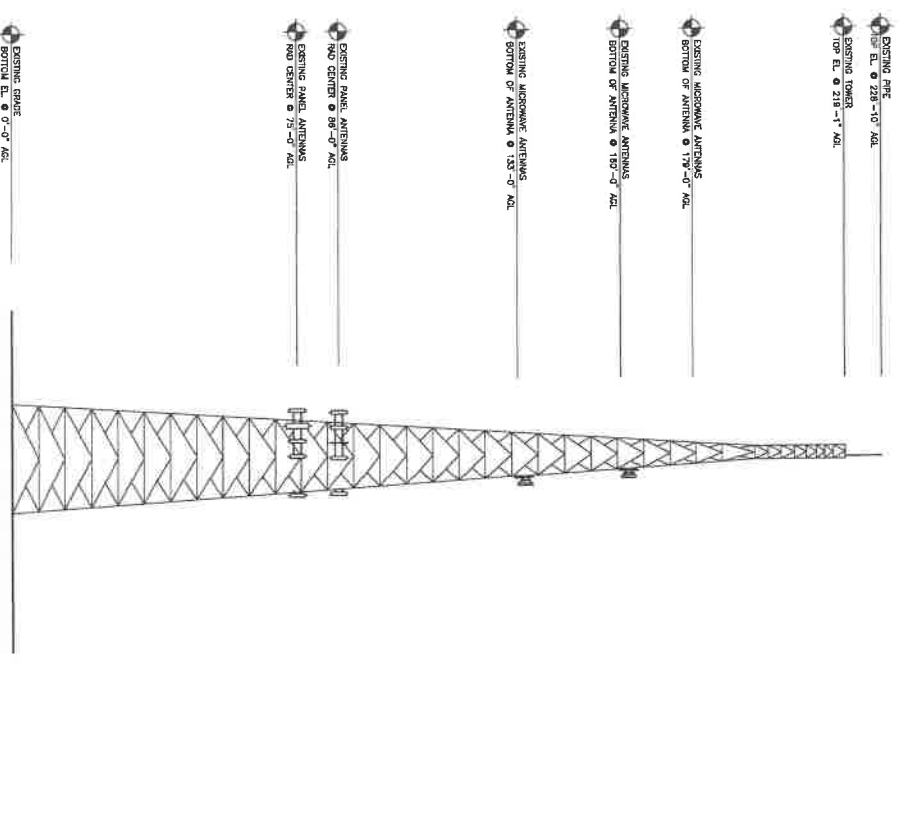
**CONSTRUCTION DOCUMENTS**

REV	DATE	DESCRIPTION
A	04/09/2023	ISSUE SET FOR PERMITS
B	07/17/2023	ISSUE SET FOR CONSTRUCTION PERMITS
C	04/22/2024	CONSTRUCTION PERMITS CORRECTIONS
D	04/22/2024	PERMITS CORRECTIONS

446 PROJECT NUMBER  
SFSF0003698

DISH WIRELESS LLC  
PROJECT INFORMATION  
SFSF0003698  
1340 VIRGINIA ST  
VALLEJO, CA 94590

SHEET TITLE  
EXISTING AND PROPOSED SOUTH ELEVATION  
SHEET NUMBER  
A-2.1

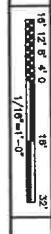


**EXISTING SOUTH ELEVATION**



1

**PROPOSED SOUTH ELEVATION**



2



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



2840 HOME ROAD, SUITE E  
MARTINEZ, CA 94553  
www.inchgroup.com



I, **ROBERT E. BROWN**, am the duly licensed and registered Professional Engineer for the State of California for the above described project.

**DRIVEN BY: CHECKED BY: APPROVED BY:**

REV	DATE	DESCRIPTION
A	04/14/2023	ISSUE FOR PERMIT
B	07/17/2023	ISSUE FOR CONSTRUCTION
C	10/26/2023	CONSTRUCTION CHANGE
D	10/26/2023	PERMITS

**DATE:** 04/03/2023  
**PROJECT:** 3

**CONSTRUCTION DOCUMENTS**

SUBMITTALS

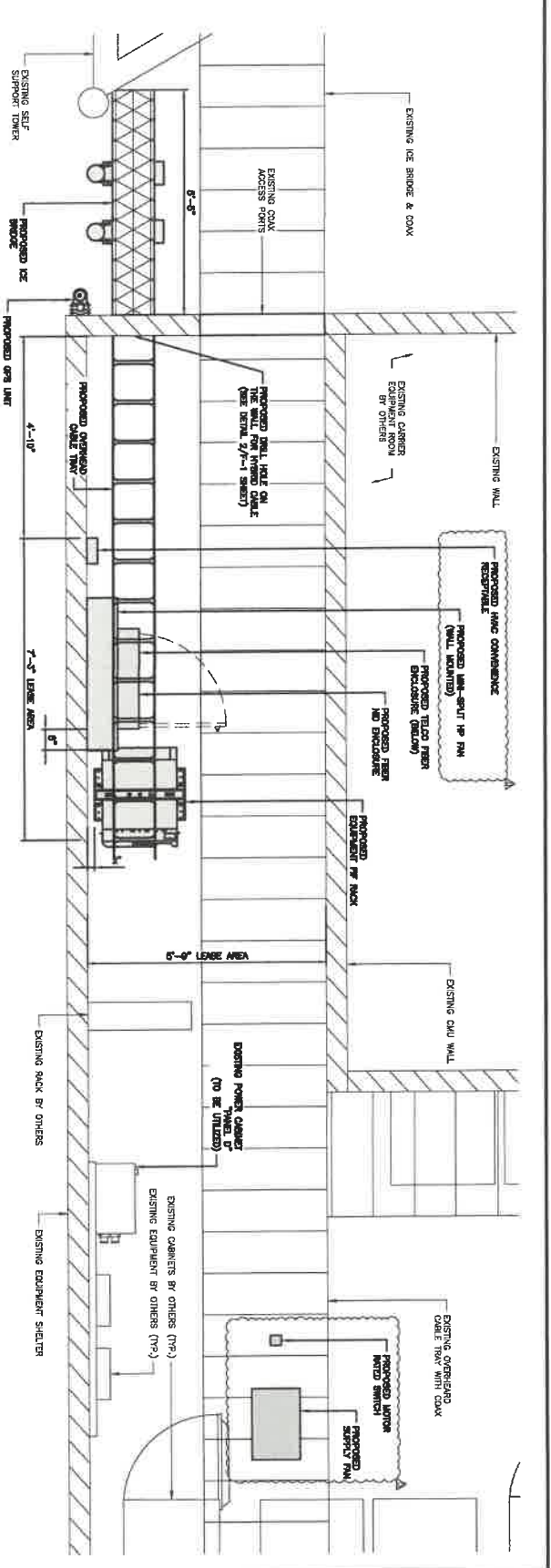
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B	07/17/2023	ISSUE FOR CONSTRUCTION
C	10/26/2023	CONSTRUCTION CHANGE
D	10/26/2023	PERMITS

A/E PROJECT NUMBER  
**SFSF0003698B**

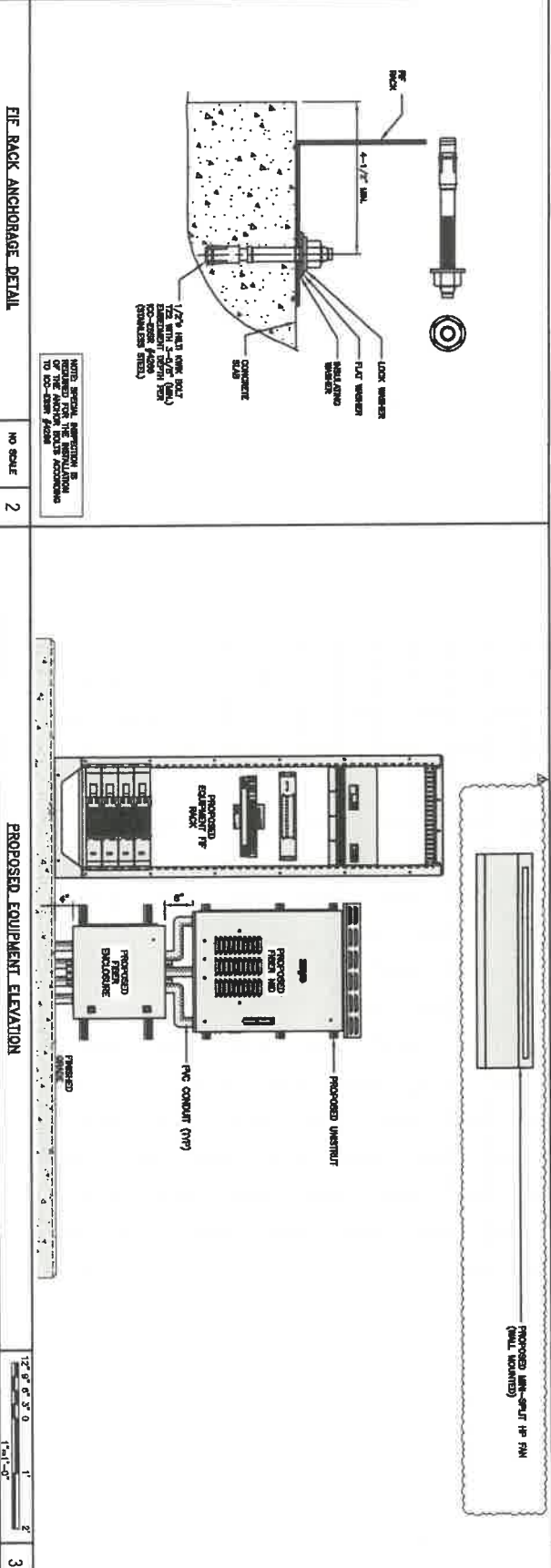
Disht Wireless L.L.C.  
PROJECT INFORMATION  
**SFSF0003698B**  
1340 VIRGINIA ST  
VALEJO, CA 94590

SHEET TITLE  
**PROPOSED EQUIPMENT  
PLAN AND ELEVATION**

SHEET NUMBER  
**A-3**



**PROPOSED EQUIPMENT PLAN**



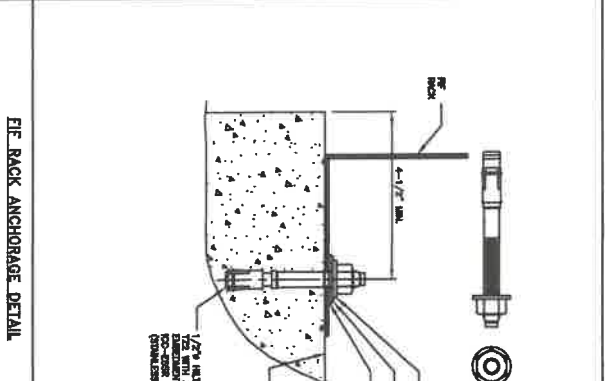
**PROPOSED EQUIPMENT ELEVATION**



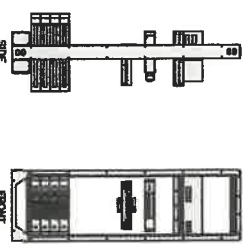
**E/F RACK ANCHORAGE DETAIL**

NO SCALE 2

NOTE: SEE SECTION ELEVATION FOR FURTHER INFORMATION REGARDING THE ANCHORAGE OF THE RACKS TO THE EXISTING STRUCTURE TO BE USED FOR ANCHORING.



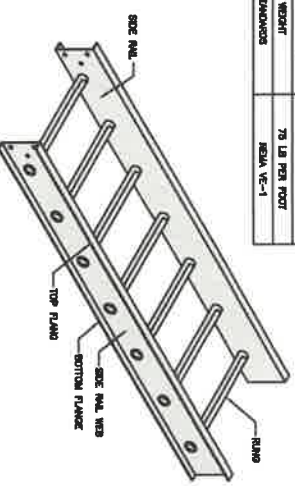
FIBER RACK LOADED	
DIMENSIONS (Overall)	63.0" x 20.0" x 24.0"
WEIGHT	4500 lbs



FIBER RACK DETAIL

NO SCALE 1

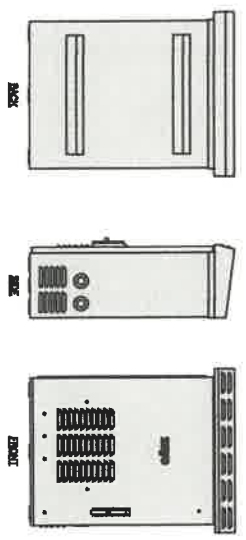
CODE 1848-1291-12-09	
ROOFTOP LADDER TRAY	
DIMENSIONS (Overall)	6.50" x 12" x 12"
WEIGHT	75 LB PER FOOT
STANDARDS	NSA-VI-1



ROOFTOP LADDER TRAY DETAIL

NO SCALE 2

ZAYO SRU (LEFT SWING DOOR)	
FIBER MID ENCLOSURE	
DIMENSIONS (Overall)	26.1" x 20" x 12.5"
WEIGHT	60 lbs



FIBER MID ENCLOSURE DETAIL

NO SCALE 3

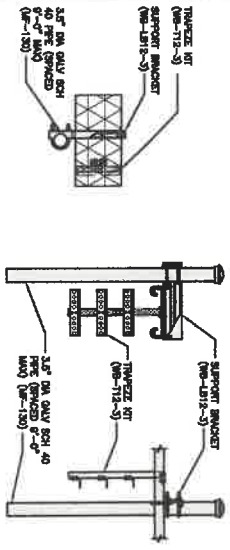
CHARLES CRT-PT2020DSH1	
FIBER TELCO ENCLOSURE	
ENCLOSURE DIA (Overall)	30" x 30" x 40"
ENCLOSURE WEIGHT	20 lbs
LOADING	WALL
COMPANIES	TYPE 4



FIBER TELCO ENCLOSURE DETAIL

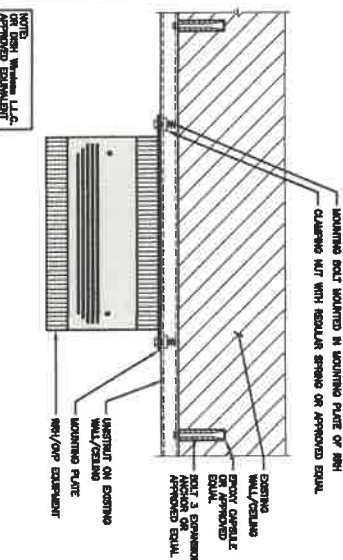
NO SCALE 4

COMPASScope WB-K110-B	
WAVEGUIDE BRIDGE KIT	
DIMENSIONS (Overall)	18" x 14" x 12"
WEIGHT/VOLUME	2500 LBS
CABLE MAX (FT)	12



ICE BRIDGE DETAIL

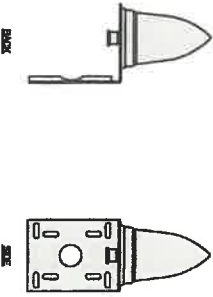
NO SCALE 5



RER UNSTRUT WALL/CEILING MOUNT DETAIL

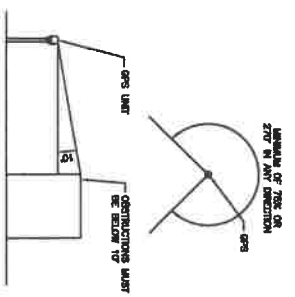
NO SCALE 6

PCTEL	
GPSGL-TMG-SH-40NCB	
DIMENSIONS (Overall) WxHxD	6.125" x 1.875" x 0.75"
WEIGHT W/ACCESSORIES	3.57/1.25/0.75 lbs
CONNECTOR	H-TERMALZ
FREQUENCY RANGE	1500 ± 30MHz



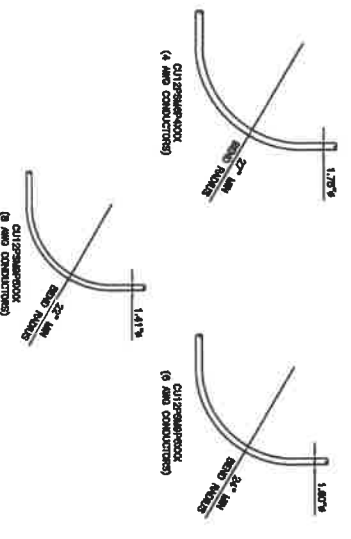
GPS DETAIL

NO SCALE 7



GPS MINIMUM SIX VIEW REQUIREMENTS

NO SCALE 8



CABLES UNLIMITED HYBRID CABLE MINIMUM BEND RADIIUSES

NO SCALE 9

5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

2840 HOME ROAD, SUITE E  
MARTINEZ, CA 94553  
www.thegcrgroup.com



DATE: 04/07/2023  
REV: 3  
DRAWN BY: [Name]  
CHECKED BY: [Name]  
APPROVED BY: [Name]

CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
A	04/07/2023	ISSUE FOR PERMIT
B	07/17/2023	ISSUE FOR CONSTRUCTION
C	04/07/2023	CONSTRUCTION CHANGE
D	04/07/2023	FINAL CLIENT CHANGE

ABC PROJECT NUMBER: SFSP0003698

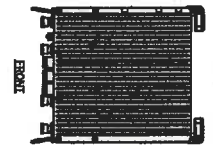
DISH Wireless LLC  
PROJECT INFORMATION  
SFSP0003698  
1340 VIRGINIA ST  
VALLEJO, CA 94590

SHEET TITLE: EQUIPMENT DETAILS  
SHEET NUMBER: A-4

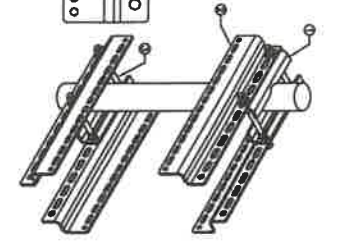
SAMSUNG RF4450T-71A	
Dimensions (Overall)	16.0"X15.5"X11.0"
Weight	54.0 lbs
DC Power In	-50V to -60V
Power Supply Voltage	-48Vdc (Nominal)



SAMSUNG RF4451D-70A	
Dimensions (Overall)	16.0"X15.0"X9.5"
Weight	51.2 lbs
DC Power In	-50V to -60V
Power Supply Voltage	-48Vdc (Nominal)



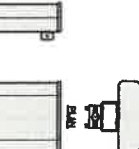
SABRE DOUBLE Z-BRACKET C10123195	
Dimensions (Overall) (1 Bracket)	57.0"X11.13"X16"
Weight (Full Assembly)	24.75 lbs
Package Quantity	4



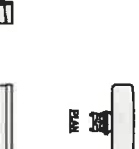
6701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

2940 HOME ROAD, SUITE E  
MARTINEZ, CA 94553  
www.thecbrgroup.com

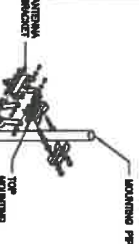
JMA MKB08R0065-21	
Dimensions (Overall)	7.25"X4.0"X1.0"
RF Ports/ Connector Type	0 x 4.5-10 SMA/IE
Weight	54.0 lbs
Weight With Enclosures	24.0 lbs



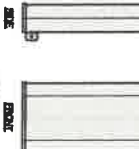
CELLMAX 12044X CMA-UB70LUBLHH/6516/6/21/21	
Dimensions (Overall)(HxWxD)	12.0"X8.0"X7.25"
Connections	0 x 4.5-10 SMA/IE
Weight (Ow/Wt)	49/100
Weight With Enclosures (Ow/Wt)	63/119



JMA ANTENNA MOUNT BRACKET #91900518	
Total Weight (With Enclosure)	16 lbs (9.15 kg)
Pole Diameter Range	2.5" TO 4.5"



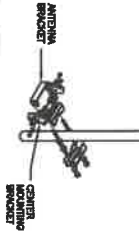
RAYCAP R01DC-9181-BF-48 DC SURGE PROTECTION (VVP)	
Dimensions (Overall)	14.5"X14.5"X2.5"
Weight	21.05 LBS



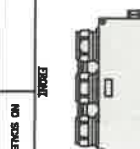
SITEPRO1 1800 UNIVERSAL T-BRACKET	
Dimensions (Overall)	2.29"X1.02"X1.52"
Weight/Volume	6.50 LBS



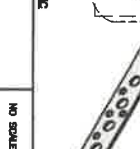
COMNSCOPE V-FRAME MTC5975083	
Frame Size	8'-0"
Weight	202.130 lbs



SURGE SUPPRESSION DETAIL (VVP)	
--------------------------------	--



VERTICAL CABLE SUPPORT DETAIL	
-------------------------------	--



ANTENNA FRAME DETAIL	
----------------------	--



SHEET TITLE  
EQUIPMENT DETAILS

SHEET NUMBER  
A-5

DISI Wireless L.L.C. TEMPLATE VERSION 46 - 10/29/2021

REV	DATE	DESCRIPTION
A	10/27/2021	SEE JOB ORDER FOR NOTES
B	07/17/2021	ISSUE CONSTRUCTION DOCUMENTS
C	10/27/2021	CONSTRUCTION DOCUMENT CHANGE
D	10/29/2021	FINAL CHECK COMMENTS

RAYCAP PROJECT NUMBER  
SFSF0003698

DISI Wireless L.L.C.  
PROJECT INFORMATION  
SFSF0003698  
1340 VIRGINIA ST  
VALEJO, CA 94590

CONSTRUCTION DOCUMENTS

RTDS REV # : 3      04/06/2023

DRAWN BY: CHECKED BY: APPROVED BY: HK

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
NO. C-29175  
THE CBR GROUP



MECHANICAL GENERAL NOTES

- 1) ALL WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MECHANICAL CODES...
2) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...
3) CONTRACTOR SHALL VERIFY THE EXISTING MECHANICAL SYSTEMS AND EQUIPMENT...
4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURE...

MINI-SPLIT HP CONDENSER SCHEDULE

Table with columns: UNIT, MODEL, LOCATION, SIZE, TYP, CONDENSER TYPE, CONDENSER AREA, CONDENSER LENGTH, CONDENSER WIDTH, CONDENSER HEIGHT, CONDENSER WEIGHT, CONDENSER PRICE, CONDENSER TOTAL PRICE.

INLINE SUPPLY FAN SCHEDULE

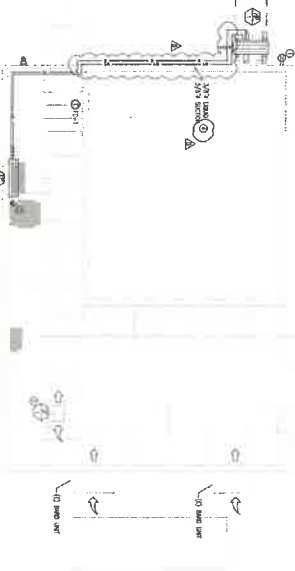
Table with columns: NO, MODEL, LOCATION, SIZE, TYP, SUPPLY FAN TYPE, SUPPLY FAN AREA, SUPPLY FAN LENGTH, SUPPLY FAN WIDTH, SUPPLY FAN HEIGHT, SUPPLY FAN WEIGHT, SUPPLY FAN PRICE, SUPPLY FAN TOTAL PRICE.

MECHANICAL SHEET INDEX

Table listing mechanical schedules, plans, details, and general notes, including page numbers and titles.

MECHANICAL SCOPE OF WORK

- 1) INSTALLATION OF NEW DUCTLESS MINI-SPLIT UNIT AND ALL ASSOCIATED PIPING FOR COOLING (N) EQUIPMENT
2) INSTALLATION OF NEW INLINE FAN FOR CIRCULATION



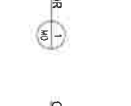
MECHANICAL CALGREEN NOTES

1) ALL WORK SHALL BE IN ACCORDANCE WITH THE CALIFORNIA MECHANICAL CODES AND THE CALIFORNIA GREEN BUILDING CODES...
2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURE...

MECHANICAL LEGEND

Legend symbols and descriptions for various mechanical components like ducts, fans, coils, and piping.

MINI-SPLIT HEAT PUMP - INDOOR



CILING MOUNTED SUPPLY FAN



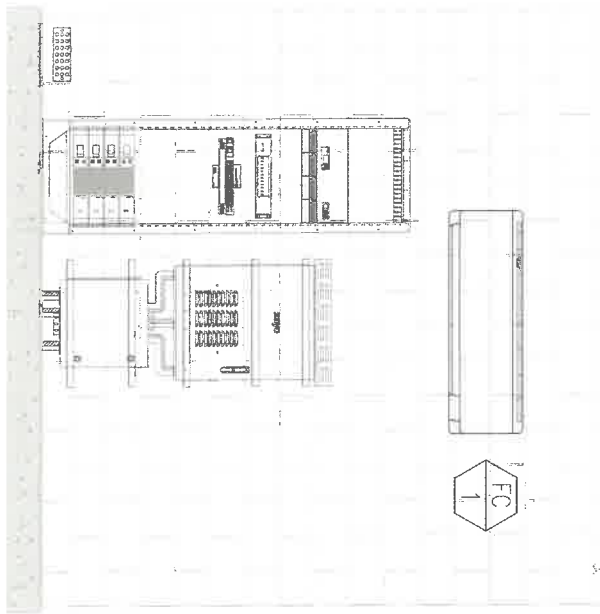
CONDENSER UNIT - CEILING MOUNTED



OPTIMIZED ENERGY & FACILITIES CONSULTING, INC. logo and contact information including address and phone number.

Professional engineer seal and stamp for the design professional, including name, title, and date.

Project information for DISH WIRELESS, including address (1340 VIRGINIA ST., VALLEJO, CA 94590) and sheet number (MO).



**A** MECHANICAL PLAN - ELEVATION VIEW  
 SCALE: 1/4" = 1'-0"

M1  
 MECHANICAL PLAN - ELEVATION VIEW

**DISH WIRELESS**  
 1340 VIRGINIA ST.  
 VALLEJO, CA 94590

**OPTIMIZED ENERGY & FACILITIES CONSULTING, INC.**  
 5744 Langston Boulevard, Vallejo, CA 94590  
 Office: (916) 626-5516 www.oefc.com

DATE: 04-18-2013  
 PROJECT: DISH WIRELESS  
 SHEET: 11 OF 11  
 REVISIONS: 11  
 CHECKED: [Signature]  
 DRAWN: [Signature]

NO.	REVISION	DESCRIPTION	DATE
1	23139	COUNTY PLAN CHECK COMMENTS 04-18-2013	
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UTILITY ROUTE PLAN

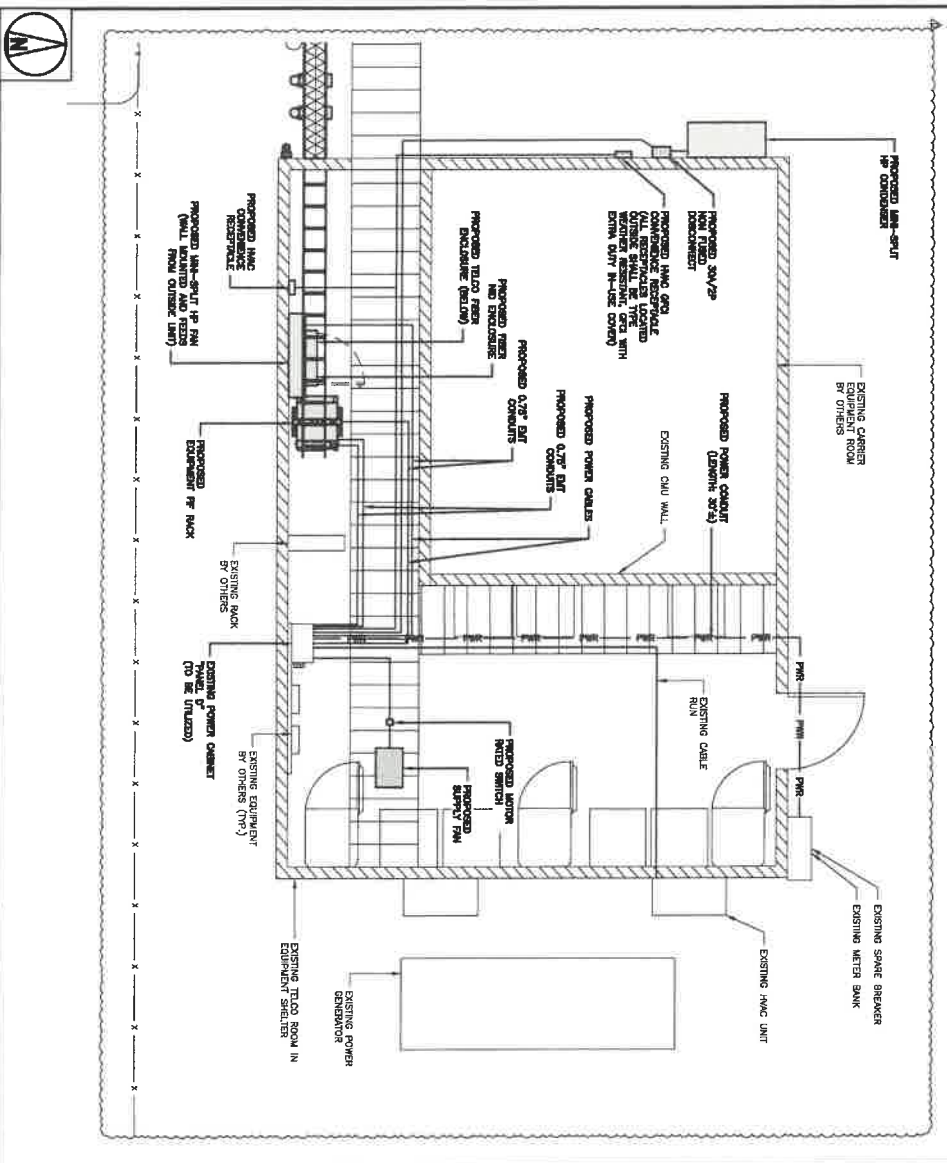


1

ELECTRICAL NOTES

NO SCALE

2



- NOTES**
1. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY CONDUIT ROUTE.
  2. ANCHORS AND BOLTS OBTAINED FOR CLAMIT.
  3. THE GROUND LINE PROVIDES BROAD/WAIVER UTILITY RIGHTS. "TERR" AND "TERR" HAVE BEEN DEPICTED ON 4-1 AND E-1 ARE BASED ON BEST AVAILABLE INFORMATION INCLUDING BUT NOT LIMITED TO FIELD VERIFICATION. FROM PROJECT OCCUPATION AND OTHER BEST AVAILABLE INFORMATION. THESE OCCUPANTS WITH REGARDING THE UTILITIES PLEASE LOCATE AND FIELD VERIFY FROM A EXISTING PLAN IS NOT AN OFFICIAL "AS-BUILT" FOR THE PROJECT. THESE NOTES AS FURTHER CONSIDERATION CAN BE REQUIRED.

1. CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS FROM TO MAINTAIN A LOG, NOT EXISTING RECORDS OTHER THAN THE LOG PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE SCOPE OF WORK OR ANY OTHER WORK RELATED TO THE PROJECT SHALL BE INDICATED ON DRAWING. THE LOG PROVIDED WITH THE PROJECT DRAWING FOR CLAMITATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL, ELECTRICAL CODES AND ALL STATE AND LOCAL CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING DEVICES AS REFERRED TO BEIN NEW UNLESS NOTED OTHERWISE.
3. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE CORRECTED WITH FIELD CONDITIONS WITH THE APPROVAL, EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL, EQUIPMENT CONTRACTORS AND CORRECT AS REQUIRED.
4. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
5. CONTRACTOR SHALL PROVIDE FULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 914.
6. CONTRACTOR SHALL REMOVE ALL OTHER WIRE AND CABLE DEVICES FOR ALL CABLE DEVICES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
7. ALL UNDERGROUNDS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH BURIED FIBER OPTIC CABLES. PROVIDE BURIED FIBER OPTIC CABLES WITH BURIED FIBER OPTIC CABLES. PROVIDE BURIED FIBER OPTIC CABLES WITH BURIED FIBER OPTIC CABLES. PROVIDE BURIED FIBER OPTIC CABLES WITH BURIED FIBER OPTIC CABLES.
8. SIGNAL AND EQUIPMENT CONTROLLING CONDUCTIONS IN ALL CONDUITS FOR THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT CONTROLLING CONDUCTIONS SHALL BE BUNDLED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL BREAKER SHEDS, AND EQUIPMENT DEVICES.
9. ALL NEW WIRING SHALL HAVE A ILL LABEL.
10. PANEL SCHEDULE DRAWING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR RE-BUILD PANEL SCHEDULE AND SITE DRAWING.
12. ALL TRUNKS IN CONDUIT TO BE WARD DUG.

5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

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MARTINEZ, CA 94555  
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DATE: 04/08/2023

REVISIONS: 3

DRAWN BY: CHECKED BY: APPROVED BY:

NO SCALE

**CONSTRUCTION DOCUMENTS**

PROJECT NUMBER: SFSF0003698

PROJECT INFORMATION:

SFSF0003698

1340 VIRGINIA ST

VALLEJO, CA 94590

SHEET TITLE: ELECTRICAL ROUTE PLAN AND NOTES

SHEET NUMBER: E-1



5701 SOUTH MAIN FE DR#E  
LITTLETON, CO 80120



2840 HOME ROAD, SUITE E  
MARTINEZ, CA 94550  
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DRAWN BY: CHECKED BY: PROVIDED BY:

RTS REV #1: 3 04/03/2023

**CONSTRUCTION DOCUMENTS**

**SUBMITTALS**

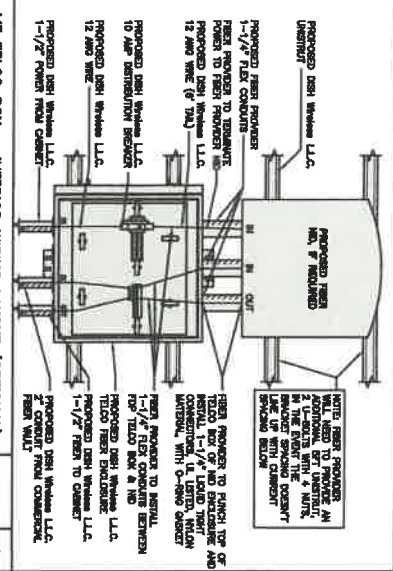
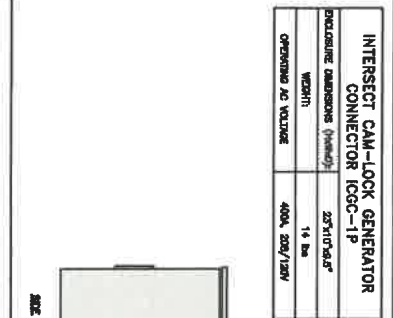
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1	04/03/2023	ISSUE FOR PERMIT
2	04/03/2023	ISSUE FOR PERMIT
3	04/03/2023	ISSUE FOR PERMIT
4	04/03/2023	ISSUE FOR PERMIT
5	04/03/2023	ISSUE FOR PERMIT
6	04/03/2023	ISSUE FOR PERMIT
7	04/03/2023	ISSUE FOR PERMIT
8	04/03/2023	ISSUE FOR PERMIT
9	04/03/2023	ISSUE FOR PERMIT

A&E PROJECT NUMBER  
SFSF0003898

DISH Wireless LLC  
PROJECT INFORMATION  
SFSF0003698  
1340 VIRGINIA ST  
VALLEJO, CA 94590

SHEET TITLE  
ELECTRICAL  
DETAILS  
SHEET NUMBER

**E-2**



GEN PLUG DETAIL

LIT TELCO BOX - INTERIOR WIRING LAYOUT (OPTIONAL)

NO SCALE	4	NO SCALE	5	NO SCALE	6
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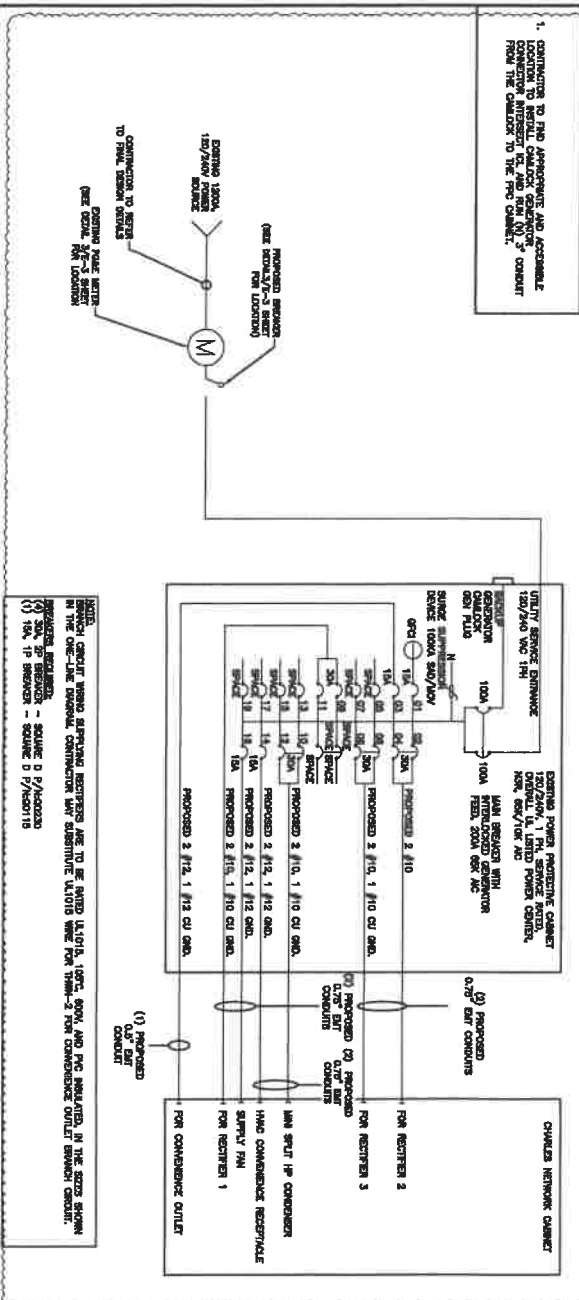
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NO SCALE	7	NO SCALE	8	NO SCALE	9
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NO SCALE	1	NO SCALE	2	NO SCALE	3
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**CONSTRUCTION NOTE**

1. CONTRACTOR TO PROVIDE AND ACCOMMODATE ALL NECESSARY CONDUIT AND TRAYING FOR THE CONDUIT TO BE INSTALLED FROM THE CHASER TO THE PFC CHASER.



**NOTES:**  
 1. CONTRACTOR TO PROVIDE AND ACCOMMODATE ALL NECESSARY CONDUIT AND TRAYING FOR THE CONDUIT TO BE INSTALLED FROM THE CHASER TO THE PFC CHASER.  
 2. CONTRACTOR TO PROVIDE AND ACCOMMODATE ALL NECESSARY CONDUIT AND TRAYING FOR THE CONDUIT TO BE INSTALLED FROM THE CHASER TO THE PFC CHASER.  
 3. CONTRACTOR TO PROVIDE AND ACCOMMODATE ALL NECESSARY CONDUIT AND TRAYING FOR THE CONDUIT TO BE INSTALLED FROM THE CHASER TO THE PFC CHASER.

**NOTES**

THE DESIGNER OF RECORD HAS REVIEWED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AMPERAGES FOR EACH DEVICE IS ADEQUATE TO PROTECT THE DEVICES FROM OVERCURRENT DAMAGE.  
 THE DESIGNER OF RECORD HAS REVIEWED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND THE VOLTAGE DROP FOR EACH DEVICE IS WITHIN THE ALLOWED LIMITS.  
 THE DESIGNER OF RECORD HAS REVIEWED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AMPERAGES FOR EACH DEVICE IS ADEQUATE TO PROTECT THE DEVICES FROM OVERCURRENT DAMAGE.  
 THE DESIGNER OF RECORD HAS REVIEWED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND THE VOLTAGE DROP FOR EACH DEVICE IS WITHIN THE ALLOWED LIMITS.  
 THE DESIGNER OF RECORD HAS REVIEWED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AMPERAGES FOR EACH DEVICE IS ADEQUATE TO PROTECT THE DEVICES FROM OVERCURRENT DAMAGE.  
 THE DESIGNER OF RECORD HAS REVIEWED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND THE VOLTAGE DROP FOR EACH DEVICE IS WITHIN THE ALLOWED LIMITS.

**PFC ONE-LINE DIAGRAM**

NO SCALE 1

**EXISTING PANEL PFC SCHEDULE**

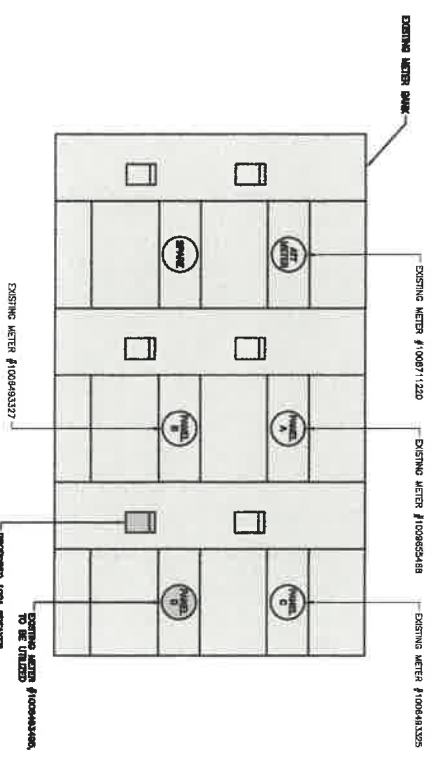
LOAD SERVED	VOLTAGE (V)	PHASE	TYPE	WATTAGE (W)	VA (VA)	LOAD SERVED
...	...	...	...	...	...	...

**PANEL SCHEDULE & VOLTAGE DROP CALCULATIONS**

NO SCALE 2

**EXISTING METER BANK ELEVATION**

NO SCALE 3



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

2840 LONGFORD DRIVE  
MARTINEZ, CA 94553  
www.thecargroup.com

**CONSTRUCTION DOCUMENTS**

REV # DATE DESCRIPTION

1. 04/08/2023 ISSUE FOR BIDDING

2. 07/12/2023 ISSUE FOR BIDDING

3. 07/12/2023 CONSTRUCTION PERMIT CHANGE

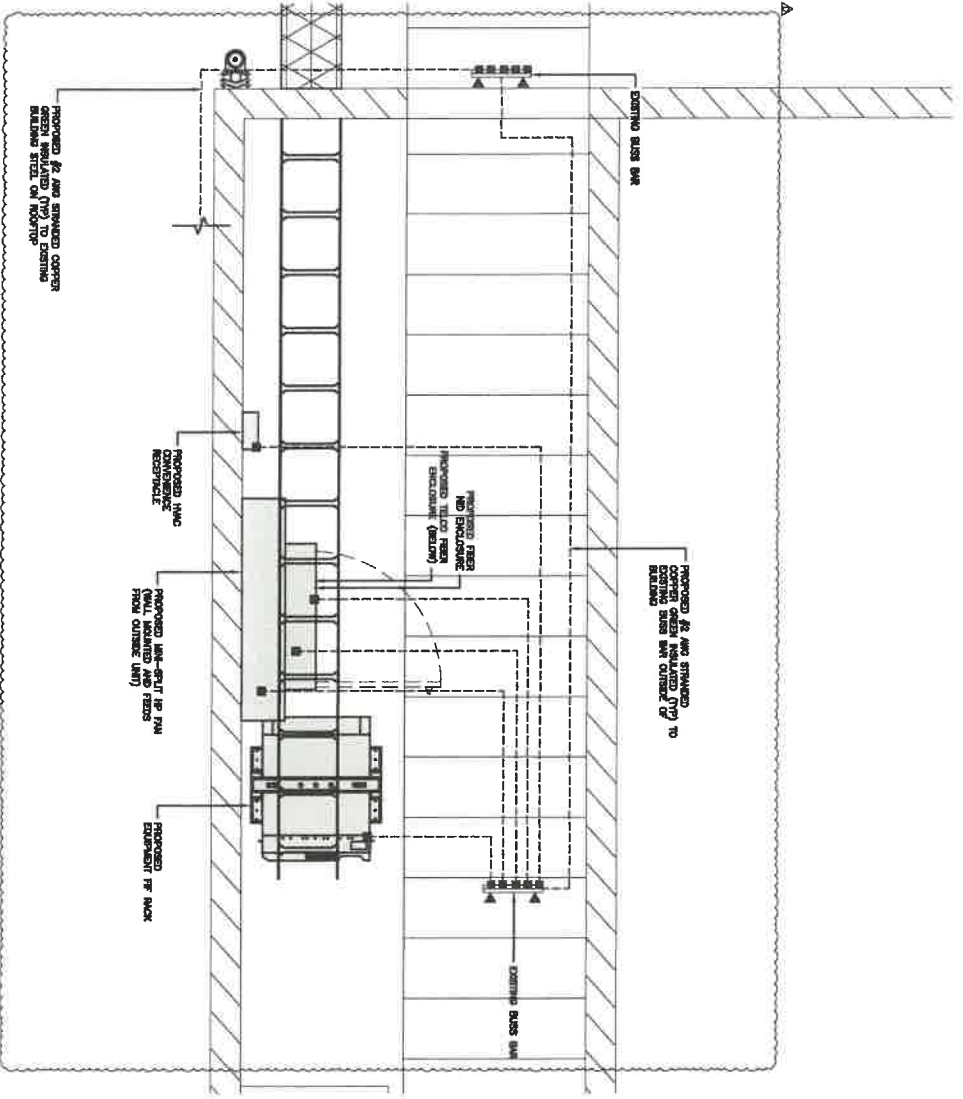
4. 07/12/2023 PER OWNER COMMENTS

SHEET TITLE: ELECTRICAL ONE-LINE, FAULT CALCS & PANEL SCHEDULE

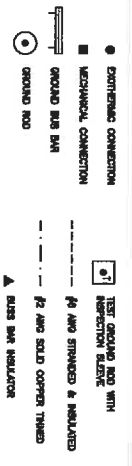
SHEET NUMBER: E-3



**GROUNDING PLAN**



**GROUNDING LEGEND**



**GROUNDING ROOFTOP KEY NOTES**

- A. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- B. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- C. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- D. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- E. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- F. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- G. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- H. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- I. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- J. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- K. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- L. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- M. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- N. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- O. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- P. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- Q. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- R. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- S. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- T. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- U. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- V. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- W. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- X. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- Y. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.
- Z. EXISTING GROUND BARS, #2 AND SOLID COPPER, SIZED AT A DEPTH OF AT LEAST 30 INCHES BELOW OF FOOTING.

**GROUNDING KEY NOTES**

5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

2840 LONG BLVD STE E  
MARTINEZ, CA 94553  
www.thecbpgroup.com

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DATE: 04/05/2023

REVISIONS:

NO.	DATE	DESCRIPTION
1	04/05/2023	ISSUE FOR PERMITS
2	04/05/2023	ISSUE FOR PERMITS
3	04/05/2023	ISSUE FOR PERMITS
4	04/05/2023	ISSUE FOR PERMITS
5	04/05/2023	ISSUE FOR PERMITS

PROJECT NUMBER: SFSFD0005698

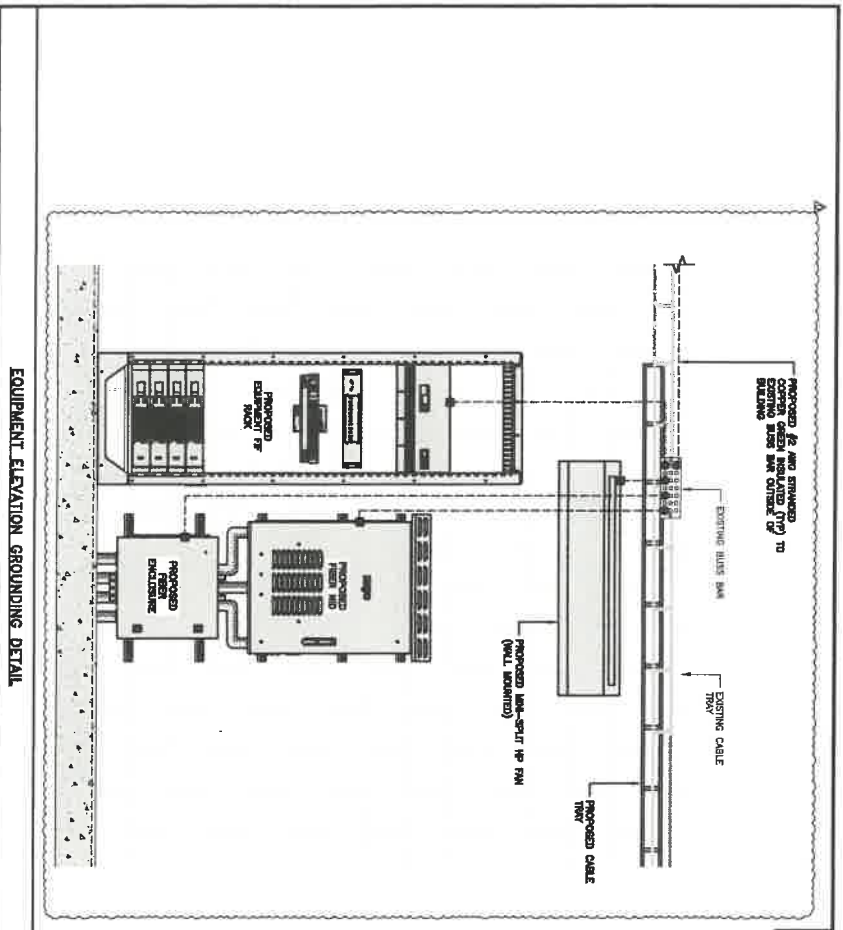
PROJECT TITLE: DISH Wireless L.L.C. PROJECT PRODUCTION SFSFD0005698

1340 VIRGINIA ST  
VALLEJO, CA 94590

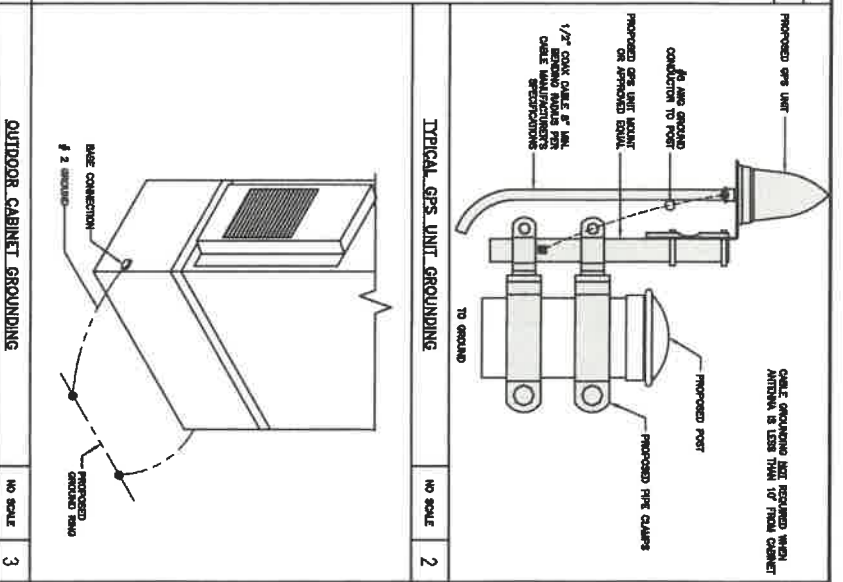
SHEET TITLE: GROUNDING PLANS AND NOTES

SHEET NUMBER: G-1

NOT USED	NO SCALE	4	NOT USED	NO SCALE	5	NOT USED	NO SCALE	6
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EQUIPMENT CABINET CANTED FOR CLARITY		NOTES
NO SCALE	1	



OUTDOOR CABINET GROUNDING		NO SCALE	3
<p>REV   DATE   DESCRIPTION</p> <p>A   10/11/2021   NEW GPS GROUND FOR WALKER</p> <p>B   09/17/2021   100% CONSTRUCTION DRAWING</p> <p>C   02/15/2021   CONSTRUCTION GROUND CHANGE</p> <p>D   04/04/2021   TYP GROUND CONNECTION</p> <p>DATE PROJECT NUMBER: SFSF0003698B</p> <p>DISH Wireless L.L.C. PROJECT INFORMATION SFSF0003698B 1340 VIRGINIA ST VALLEJO, CA 94590</p> <p>SHEET TITLE: GROUNDING DETAILS SHEET NUMBER: G-2</p>			

6701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

2840 JAMES ROAD, SUITE E  
LITTLETON, CO 80120  
www.thecargroup.com

STATE OF COLORADO  
NO. 61816  
EXPIRES 12/31/2024

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DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ APPROVED BY: \_\_\_\_\_

DATE: 04/08/2023

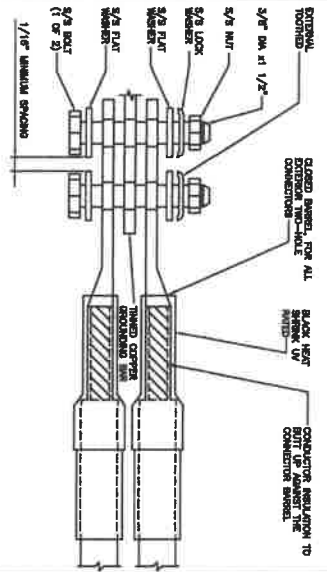
REV # 3

CONSTRUCTION DOCUMENTS

1. EXPOSURE FIELD (2) TYP. #2 AND BARE TWINED STRIP COPPER CONDUCTORS TO GROUND BAR. LOCATE CONDUCTORS TO STRIPS GROUND BAR AND PROVIDE PARALLEL EXTERIOR FIELD.
2. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL, 3/8" MINIMUM OR LARGER. AN AIR-CORROSION RESISTANT BRASS LOCK WASHERS, COAT ALL SURFACES WITH ENTIRE WEATHER.
3. FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN AIR-CORROSION RESISTANT WEATHER.
4. DO NOT INSTALL CASE GROUNDING KIT AT A BOND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO EXPOSURE BAR.
5. KIT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE.
6. ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REGULATED HAZARDOUS GROUND BAR AS REQUIRED.
8. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SPACERS).

TYPICAL GROUNDING NOTES

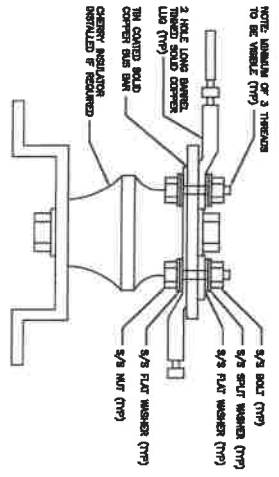
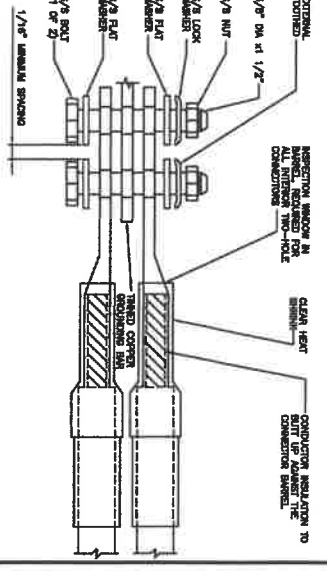
NO SCALE 1



NO SCALE 2

TYPICAL INTERIOR TWO-HOLE LUG

NO SCALE 3



LUG DETAIL

NO SCALE 4

NOT USED

NO SCALE 5

NOT USED

NO SCALE 6

NOT USED

NO SCALE 7

NOT USED

NO SCALE 8

NOT USED

NO SCALE 9

5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

2240 HOME ROAD, SUITE E  
LITTLETON, CO 80120  
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DRAWN BY: CHECKED BY: APPROVED BY:

DATE: 04/05/2023

CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
A	04/05/2023	FOR CITY REVIEW FOR BOND
B	07/17/2023	FOR CONSTRUCTION PERMITS
C	07/17/2023	CONTRACTOR REVIEW CHANGE
D	09/06/2023	FOR OTHER COMMENTS

MAE PROJECT NUMBER: SFSF00035698

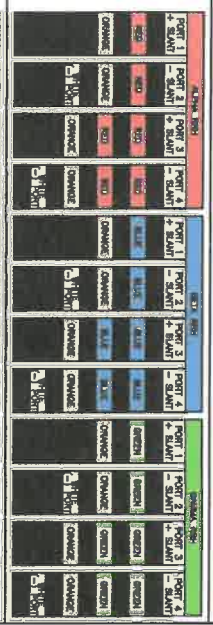
DISH Wireless, L.L.C.  
PROJECT INFORMATION  
SFSF00035698  
1340 VIRGINIA ST  
VALLEJO, CA 94580

SHEET TITLE: GROUNDING DETAILS  
SHEET NUMBER: G-3

**HYBRID/DISCREET CABLES**

5/4" TAP WIDTHS WITH 3/4" SPACING

LOW-BAND RHT (RED BAND) + MID-BAND N71 (GREEN BAND) + (700 kHz NB BAND) - OPTIONAL PER MARKET ADD FREQUENCY COLOR TO SECTION BAND (CARS WILL USE YELLOW BAND)



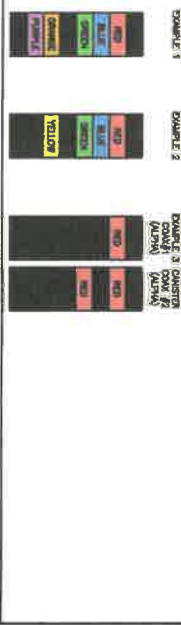
LOW-BAND RHT (700 kHz NB BAND) + MID-BAND N71 (700 kHz NB BAND) + (700 kHz NB BAND) - OPTIONAL PER MARKET ADD FREQUENCY COLOR TO SECTION BAND (CARS WILL USE YELLOW BAND)



**HYBRID/DISCREET CABLES**

INCLUDE SECTION BANDS BEING SUPPORTED ALONG WITH REQUESTED BANDS.

EXAMPLE 1 - HYBRID, OR DISCREET SUPPORTS ALL SECTIONS, BOTH LOW-BANDS AND MID-BANDS.  
EXAMPLE 2 - HYBRID, OR DISCREET, SUPPORTS CARS ONLY, ALL SECTIONS.  
EXAMPLE 3 - MAIN COAX WITH GROUND ISOLATED RHT.



**FIBER JUMPERS TO RHTS**



**POWER CABLES TO RHTS**



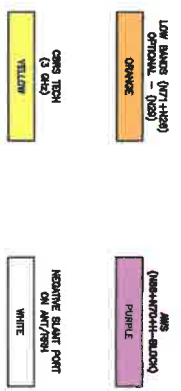
**RET MOTORS AT ANTENNAS**



**MICROWAVE RADIO LINES**



LINES WILL HAVE A 1.5-2 INCH WIRE GAUGE WITH THE APPLICABLE COLOR OVERLAPPING IN THE MIDDLE. ADDITIONAL SECTION COLOR BANDS FOR EACH ADDITIONAL MW RADIO.  
MICROWAVE CABLES WILL REQUIRE P-TOUCH LABELS INSIDE THE CABINET TO IDENTIFY THE LOCAL AND REMOTE SITE ID'S.



NOT USED

NO SCALE

**RF CABLE COLOR CODES**

NO SCALE

1

NOT USED

NO SCALE

4



T. B. ANDERSON, OF LAW FOR AVE. PERFORMS ENGINEERING AND SURVEYING SERVICES TO ACHIEVE THIS DOCUMENT.  
DRAWN BY: CHECKED BY: APPROVED BY: KE

REDS REV # 3 04/05/2023

**CONSTRUCTION DOCUMENTS**

REV / DATE DESCRIPTION

1	04/05/2023	ISSUE FOR PERMIT
2	04/05/2023	ISSUE FOR CONSTRUCTION
3	04/05/2023	ISSUE FOR CONSTRUCTION

RF PROJECT NUMBER  
SFSF0003698

DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
SFSF0003698  
1340 VIRGINIA ST  
VALLEJO, CA 94590

SHEET TITLE  
RF  
CABLE COLOR CODE  
SHEET NUMBER  
**RF-1**





- SITE ACTIVITY REQUIREMENTS:**
- NOTICE TO PROCEED - NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DSH Wireless LLC AND TOWER OWNER NCC & THE DSH Wireless LLC AND TOWER OWNER CONSTRUCTION MANAGER.
  - LOOK UP - DSH Wireless LLC AND TOWER OWNER SAFETY CLAIM REQUIREMENT:
    - THE DESIGN OF THE SAFETY CLAIM AND ALL COMPONENTS OF THE CLAIMING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MAJOR RECONSTRUCTION, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLAIM OR ANY COMPONENTS OF THE CLAIMING FACILITY ON ITS SUPPORTS. DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH LIES BEHIND OR TO THE SIDE OF THE FROM ANCHORAGE POINTS IN ANY WAY, OR TO HARVEST/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLAIM, INCLUDING EXISTING CONDITIONS MUST BE MOVED OUT AND REPORTED TO YOUR DSH Wireless LLC AND TOWER OWNER POC OR CALL THE POC OR CALL THE POC TO GENERATE A SAFETY CLAIM MAINTENANCE AND CONTRACTOR NOTICE TICKET.
    - PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER OBTAINING ALL JURISDICTIONAL REQUIREMENTS.
    - ALL CONSTRUCTION MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLAIMING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (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 ANSI/ASSE A10.48 (LATEST EDITION) AND DSH Wireless LLC AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).
    - ALL SITE WORK TO COMPLY WITH DSH Wireless LLC AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DSH Wireless LLC AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA-1018-1-2012 STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.
    - IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE CHANGE OF INSTALLATION.
    - ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LOCAL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
    - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
    - THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATORS SERVICES PRIOR TO THE START OF CONSTRUCTION.
    - ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE DISCONTINUED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO NEAR FALL PROTECTION BY COVERED SPACE (C) ELECTRICAL SAFETY (E) TRENCHING AND EXCAVATION (E) CONSTRUCTION SAFETY PROCEDURES.
    - ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DSH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
    - CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBER, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DEPOSED OF LEGALLY.
    - ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF DSH Wireless LLC AND TOWER OWNER, AND/OR LOCAL UTILITIES.
    - THE CONTRACTOR SHALL PREPARE SITE SURFACE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SURFACE REQUIRED BY LOCAL JURISDICTION AND SURFACE REQUIRED ON INDIVIDUAL PLOTS OF EQUIPMENT, ROOMS, AND SHELTERS.
    - THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
    - THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
    - THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
    - CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
    - THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
    - CONTRACTOR SHALL LEAVELY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COILS, CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
    - CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
    - NO FILL OR REBARMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR REBARMENT.

**GENERAL NOTES:**

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:  
 CONTRACTOR=GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION  
 CARRIER=DSH Wireless LLC  
 TOWER OWNER=TOWER OWNER
- THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPETENCE NORMALLY EMPLOYED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE CONTRACTOR SHALL BE AWARE OF ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS, ORDINANCES, RULES, REGULATIONS AND LOCAL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INCLUDE THE MEANS OR METHODS OF CONSTRUCTION UNLESS SPECIFICALLY NOTED THEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
- NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD. MORE STRICT REQUIREMENTS SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
- NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.



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LITTLETON, CO 80120



2640 HAYW Pkwy, Suite E  
Martinez, CA 94553  
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DATE	DESCRIPTION
04/09/2023	REVISED PER COMMENTS
04/09/2023	REVISED PER COMMENTS
04/09/2023	REVISED PER COMMENTS
04/09/2023	REVISED PER COMMENTS
04/09/2023	REVISED PER COMMENTS

**CONSTRUCTION DOCUMENTS**

DATE: 04/09/2023

PROJECT NUMBER: SFSF0003698

PROJECT LOCATION: 1340 VIRGINIA ST VALLEJO, CA 94590


**GENERAL NOTES**

SHEET TITLE: GN-2


SHEET NUMBER: \_\_\_\_\_

- CONCRETE, FOUNDATIONS, AND REINFORCING STEEL.**
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 330, ASTM A184, ASTM A186 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
  2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psi.
  3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (F'<sub>c</sub>) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°F AT TIME OF PLACEMENT.
  4. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AN EXPANDING ADJUTANT. AMOUNT OF AIR ENTRAINMENT TO BE MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.46.
  5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (W/F) SHALL CONFORM TO ASTM A186. ALL SPICES SHALL BE CLASS "B" TENSION SPICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS.
  6. BARS AND SMALLER 40 ksi
  7. BARS AND LARGER 60 ksi
  8. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL, UNLESS SHOWN OTHERWISE ON DRAWINGS:
    - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
    - CONCRETE EXPOSED TO EARTH OR WEATHER:
      - #6 BARS AND LARGER 2"
      - #8 BARS AND SMALLER 1-1/2"
    - CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
      - SLAB AND WALLS 3/4"
      - BEAMS AND COLUMNS 1-1/2"
  9. A TROUDED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- ELECTRICAL INSTALLATION NOTES:**
1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES/ORDINANCES.
  2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
  3. WIRING, RACEWAY AND SUPPORT METHODS AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
  4. ALL EQUIPMENT SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
  - 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
  - 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED. 22,000 AC MINIMUM, VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
  5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TIE/D CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUIVA), THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
  6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMINATED TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
  7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
  8. THE WIRING ARE NOT ALLOWED.
  9. ALL POWER AND EQUIPMENT GROUND WIRING IN TRUNGS OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHN, THWN, XHHW-2, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
  10. SUPPLEMENTAL GROUNDING WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#8 OR LARGER) WITH TYPE THHN, THWN, XHHW-2, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
  11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
  12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHN, THWN, XHHW-2, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
  13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
  14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NECA, UL, ANS/IEEE AND NEC.
  15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIBBON METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.


16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MCC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NECA, UL, ANS/IEEE AND THE NEC.
21. WIRINGWAYS SHALL BE METAL WITH AN EQUAL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (MINIMUM SPEAKERS WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRIPS AND HANGERS. EXPLOSIVE DEVICES (I.e. POWER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BOXES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND BEING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR ALL OBSTACLES. CONDUITS SHALL BE PERMANENTLY CAPPED TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR GRT FROM ENTERING. EXCESS CONDUIT SHALL BE REMOVED TO BOXES BY CHISELED WALLETS/FILE FROM DASHING ON INSIDE AND GALVANIZED WALLETS/FILE IRON LOCATED ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL BE MET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING, SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEAREST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTENSION LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH Wireless L.L.C. AND TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMINATED LABEL ON THE METER CENTER TO SHOW DISH Wireless L.L.C.®.
30. ALL EMPT/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A WETTERED WHITE TAPE PULL CORD INSTALLED.



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www.TheCBRGroup.com



DAVID M. JOHNSON  
REGISTERED PROFESSIONAL ENGINEER  
NO. 00969  
STATE OF COLORADO  
TO ALTER THIS DOCUMENT

<b>DRAWN BY</b>		<b>CHECKED BY</b>		<b>DATE</b>	04/08/2023
<b>FRS REV. #</b>	3				

**CONSTRUCTION DOCUMENTS**

REV	DATE	DESCRIPTION
A	04/07/2023	ISSUE FOR PERMIT
B	07/17/2023	ISSUE FOR PERMIT
C	02/17/2024	CONSTRUCTION PERMIT CHANGE
D	04/08/2024	FINAL OWNER COMMENTS

ADD PROJECT NUMBER: SFSF0003698

DISH Wireless L.L.C.  
PROJECT INFORMATION  
SFSF0003698  
1340 VIRGINIA ST  
VALLEJO, CA 94590

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: GN-3

**GROUNDING NOTES:**

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GESS'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 61) FOR GROUND ELECTRODE SYSTEMS. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE OR APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC 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 BITS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES. #8 STRANDED COPPER OR LARGER FOR INDOOR BITS; #2 BARE SOLID THINNED COPPER FOR OUTDOOR BITS. OF THE GROUND BUS ARE PERMITTED.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID THINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS GRIPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRODIE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COMINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND TRAY, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 8 FT. OF MAIN GROUND RING WITH (1) #2 BARE SOLID THINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS, WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS. NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED, WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE). THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSMIT FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID THINNED COPPER IN 3/4" NON-METALLIC FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF ONE-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (SEE TRANSMISSION GROUND STANDBY DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE ALL CONDUCTORS FROM THE TOWER, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM. THE GROUNDING CONDUCTOR SHALL BE 1/2" COPPER. ROUTING GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM. THE BUILDING CASE SHALL BE BONDING TO THE EXISTING GROUNDING SYSTEM. BUILDING MAIN WATER LINE (TERRAZOS OR NONFERROUS METAL PIPING ONLY), DO NOT ATTACH GROUNDING TO FIRE SPRINKLER SYSTEM PIPES.



5701 CENTRAL EXPRESS DRIVE  
LITTLETON, CO 80120



**THE CAR GROUP**  
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MANTENO, IL 60130  
www.thecargroup.com

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DESIGN BY: [ ] CHECKED BY: [ ] APPROVED BY: [ ]  
DATE: [ ]  
REV. NO. [ ]

**CONSTRUCTION DOCUMENTS**

REV.	DATE	DESCRIPTION
A	04/08/2023	ISSUE FOR PERMITS
B	04/08/2023	ISSUE FOR PERMITS
C	04/08/2023	ISSUE FOR PERMITS
D	04/08/2023	ISSUE FOR PERMITS


PROJECT NUMBER: SFSF0003698  
PROJECT INFORMATION: DISH Wireless L.L.C.  
1340 VIRGINIA ST  
VALLEJO, CA 94590

SHEET TITLE: GENERAL NOTES  
SHEET NUMBER: GN-4

TYPE	COLOR	COLOR CODE	PURPOSE
PERMANENT	GREEN		NOTIFICATION SIGN TO NOTIFY OWNERS OF THE CONSTRUCTION AND CONTRACT NUMBER AND PERMITTING OR PERMITS.
NOTICE	BLUE		NOTIFICATION SIGN TO NOTIFY OWNERS OF THE PERMITS AND CONSTRUCTION NUMBER AND PERMITS. (SEE ALL PERMITS FOR MORE INFORMATION ON RADIO FREQUENCY EXPOSURE OF CFR-1.1307(D))
CAUTION	YELLOW		CAUTION SIGN AND SITE GUIDELINES FOR WORKING IN THE VICINITY OF TRANSMITTING ANTENNAS. (SEE ALL PERMITS FOR MORE INFORMATION ON RADIO FREQUENCY EXPOSURE OF CFR-1.1307(D))
WARNING	ORANGE/RED		WARNING SIGN AND SITE GUIDELINES FOR WORKING IN THE VICINITY OF TRANSMITTING ANTENNAS. (SEE ALL PERMITS FOR MORE INFORMATION ON RADIO FREQUENCY EXPOSURE OF CFR-1.1307(D))

- RF SIGNAGE:**
- RF SIGNAGE PLACEMENT SHALL FOLLOW THE RECOMMENDATIONS OF AN EXISTING RF REPORT, CREATED BY A THIRD PARTY PROFESSIONAL AUTHORIZED BY DISH WIRELESS L.L.C.
  - INFORMATION SIGN (GREEN) SHALL BE LOCATED ON EXISTING DISH WIRELESS L.L.C. EQUIPMENT.
  - IF THE INFORMATION SIGN IS A SIGNAGE, IT SHALL BE PLACED ON EXISTING DISH WIRELESS L.L.C. EQUIPMENT WITH A SECURE ATTACH METHOD.
  - IF THE REPORT IS NOT AVAILABLE AT THE TIME OF CREATION OF CONSTRUCTION DOCUMENTS, PLEASE CONTACT DISH WIRELESS L.L.C. CONSTRUCTION MANAGER FOR MORE INFORMATION ON HOW TO PROCEED.
- NOTES:**
1. FOR DISH WIRELESS L.L.C. LOCAL, SEE DISH WIRELESS L.L.C. DESIGN SPECIFICATIONS (PROVIDED BY DISH WIRELESS L.L.C.)
  2. SIGN IS TO BE APPLIED TO SIGN USING "ADHESIVE REMOVAL" OR ANY OTHER METHOD RECOMMENDED BY DISH WIRELESS L.L.C. APPROVAL (REQUIRED)
  3. TEXT FOR SIGNAGE SHALL INDICATE CONTACT SITE NAME AND NUMBER AS FOR DISH WIRELESS L.L.C. CONSTRUCTION MANAGER RECOMMENDATIONS.
  4. CHANGES/REVISIONS INDICATING APPLICATION REQUIRES ANOTHER PLATE APPLIED TO THE FACE OF THE OWNER WITH WRITER PROOF POLYURETHANE ADHESIVE
  5. ALL SIGNS WILL BE SECURED WITH BRASS STAPLES SPEC. 20 TBS OR STAPLERS SPEC. TECH SIGNS
  6. ALL SIGNS TO BE 6.5"X11" AND MADE WITH 0.04" OF ALUMINUM MATERIAL.

NOTICE



Transmitting Antennae(s)

Radio frequency fields beyond this point **MAY EXCEED** the FCC Occupational exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.


Call the DISH Wireless L.L.C. NOC at 1-833-347-4602 prior to working beyond this point.

Site ID: \_\_\_\_\_

dish

THIS SIGN IS FOR REFERENCE PURPOSES ONLY

CAUTION



Transmitting Antennae(s)

Radio frequency fields beyond this point **MAY EXCEED** the FCC Occupational exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.


Call the DISH Wireless L.L.C. NOC at 1-833-347-4602 prior to working beyond this point.

Site ID: \_\_\_\_\_

dish

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WARNING



Transmitting Antennae(s)

Radio frequency fields beyond this point **MAY EXCEED** the FCC Occupational exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.

Call the DISH Wireless L.L.C. NOC at 1-833-347-4602 prior to working beyond this point.

Site ID: \_\_\_\_\_

dish


THIS SIGN IS FOR REFERENCE PURPOSES ONLY

INFORMATION


This is an access point to an area with transmitting antennas.

Obey all signs and barriers beyond this point.  
Call the DISH Wireless L.L.C. NOC at 1-833-347-4602


Site ID: \_\_\_\_\_




THIS SIGN IS FOR REFERENCE PURPOSES ONLY



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DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ PERMITTED BY: \_\_\_\_\_

NK \_\_\_\_\_

RTOS REV # 3      04/09/2023

CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION	SUBMITTALS
A	04/09/2023	ISSUE FOR CONSTRUCTION	FOR REVIEW
B	07/17/2023	ISSUE FOR CONSTRUCTION	FOR REVIEW
C	02/14/2024	CONSTRUCTION NUMBER CHANGE	
D	02/14/2024	PERMITS	

A/E PROJECT NUMBER: SF270003698

DISH WIRELESS L.L.C.  
PROJECT INFORMATION  
1340 VIRGINIA ST  
VALLEJO, CA 94590

SHEET TITLE: RF SIGNAGE

SHEET NUMBER: GN-5



March 6, 2025

**TRANSMITTAL MEMO**

TO: Dale L. Eyeler, County of Solano

FR: Paul Maddox, The CBR Group

*RE: Proposed Dish Site – Partially Executed Lease (SFSFO00369B)*

Enclosed please find three (3) leases executed by Dish. Please keep me posted as to when the lease will be on the Board of Supervisors agenda. Thank you.

**WIRELESS**

5701 South Santa Fe Drive  
Littleton, CO 80120

DATE: 2/11/25 \_\_\_\_\_  
TO: \_\_\_\_\_  
FROM: Lease Administration, Dish Wireless  
RE: \_\_\_\_\_

To Whom It May Concern,

DISH Wireless L.L.C. is pleased to partner with you as we build out our 5G Network!  
Enclosed you will find:

- 3 originals of the partially executed Lease
- 0 originals of the partially executed Memorandum of Lease
- 0 originals of the partially executed SNDA

Once fully executed, please return ONE (1) original of each back to:  
Dish Wireless  
Attn: Lease Administration  
5701 South Santa Fe Drive  
Littleton, CO 80120

If you are interested in having your rent paid via Electronic Funds Transfer ("EFT") please complete the enclosed EFT request form and return it with a voided check.

For questions or concerns that may arise during our tenancy, please email us at [landlordrelations@dish.com](mailto:landlordrelations@dish.com).

We look forward to a long-term partnership with you!



**Authorization Agreement  
for Automated Deposits &  
Credits**

I hereby authorize and request **DISH Wireless L.L.C.** ("Company") to make payment of any amounts owed to me by initiating credit entries to my account at the Bank indicated below ("Bank"). I hereby authorize and request Bank to accept any credit entries initiated by Company and to credit all such entries to my account without liability for the correctness of the entries.

It is understood and agreed that I may terminate this agreement at any time upon three business day's prior written notice to Company or Bank. Notification to Company or Bank shall be effective upon receipt.

I understand and agree that if an erroneous credit is made to my account, that Company and Bank are authorized to stop payment, reverse the entry or make any adjustments necessary to my account to correct the erroneous entry.

<b>DISH 5G Site ID:</b>	
<b>Landlord Entity Name:</b>	
<b>Rent Payee Name:</b> <i>(if different from Landlord entity)</i>	
<b>Address:</b>	
<b>Signed:</b>	
<b>Printed Name:</b>	
<b>Date:</b>	
<b>Remittance Email Address:</b>	

**DISH requires a letter from your banking institution with the following information in order to process electronic payments:**

- Information must be provided on Bank letterhead
- Account Name and Address
- Bank Name
- Bank Routing Number
- Bank Account Number
- Letter must include a wet or electronic signature from a bank representative

Please note that we are unable to accept the following documents in lieu of a bank letter:  
voided checks, wiring instructions, direct deposit authorization forms, etc.

Email completed document to [Landlordrelations@Dish.com](mailto:Landlordrelations@Dish.com) -or- mail to:

**Dish Wireless L.L.C.**  
ATTN: Lease Administration  
5701 S. Santa Fe Drive  
Littleton, CO 80120