

## RESOLUTION NO. PC 2023-

### **A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF CAMARILLO, APPROVING A REQUEST FOR A CONDITIONAL USE PERMIT (CUP-421) FOR THE CONSTRUCTION OF A STEALTH WIRELESS COMMUNICATIONS FACILITY LOCATED AT 740 VENTURA BOULEVARD IN THE COMMERCIAL PLANNED DEVELOPMENT (CPD) ZONE**

The Planning Commission of the City of Camarillo resolves as follows:

#### **SECTION 1. General Findings.** The Planning Commission finds as follows:

- A. Jerry Ambrose with Eukon Group on behalf of Dish Wireless has submitted an application requesting approval of a Conditional Use Permit (CUP-421) allowing the construction of a new stealth wireless communications facility in a new cupola on an existing building located at 740 Ventura Blvd (the "Property") and a height increase above that permitted in the Zone;
- B. The Property is approximately 24.6 acres and is located within the Commercial Planned Development (CPD) Zone with the General Plan Designation of Commercial;
- C. The Application was reviewed by the Director for, in part, consistency with the General Plan and conformity with the Camarillo Municipal Code ("CMC");
- D. A Notice of Public Hearing before the Planning Commission was duly given and published in the time, form, and manner as required by law;
- E. Municipal Code sections 19.62.020, 19.76.050, and 19.26.040 specify the procedures and assigns authority to the Planning Commission to review the application for the camouflaged wireless facility and the additional height requested.
- F. The Planning Commission considered the information provided by City staff, public testimony, and the Applicants. This Resolution, and its findings, are made based upon the evidence presented to the Planning Commission at its June 6, 2023, hearing including, without limitation, the staff report submitted by the Director of the Community Development Department.

**SECTION 2. Environmental Review.** The project was reviewed in accordance with the California Environmental Quality Act (CEQA) and the City's environmental guidelines and is categorically exempt from the provisions of CEQA under Class 3 - New Construction or Conversion of Small Structures (CEQA Guidelines Section 15303). This exemption consists of the construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure. The Project proposes the installation of new equipment and the construction of a new, small equipment concealing structure.

**SECTION 3. CMC Section 19.62.030 Conditional Use Permit Project Findings.** The Planning Commission, after reviewing the application and receiving evidence and testimony at a public hearing on this Conditional Use Permit application, CUP-421, finds that the request may be approved based on the following findings:

A. That the use applied for at the location set forth in the application is properly one for which a Conditional Use Permit is authorized by CMC Section 19.62.020.B because public utilities are allowed in all zones subject to the approval of a Conditional Use Permit.

B. That the use is necessary or desirable for the development of the community, is in harmony with the various elements or objectives of the General Plan, and is not detrimental to existing uses or to uses specifically permitted in the CPD Zone because the proposed stealth wireless facility will close a significant gap in coverage and capacity which is currently impacting the residents and businesses in the area.

C. That the site for the intended use is adequate in size and shape to accommodate the use and all of the yards, setbacks, walls or fences, landscaping, and other features required to adjust the use to those existing or permitted future uses on the land in the neighborhood because the proposed stealth wireless facility is appropriately setback from neighboring properties.

D. That the site for the proposed use relates to streets and highways that are properly designed and improved to carry the type and quantity of traffic generated or to be generated by the proposed use because no improvements to the adjacent thoroughfare of Ventura Boulevard are required. The adjacent portion of Ventura Boulevard is designated as a secondary arterial street, which is sufficient to accommodate the increase in traffic that would be generated from the operation and maintenance of the proposed unmanned facility.

E. That the conditions set forth as part of the approval of the Conditional Use Permit are deemed necessary to protect the public health, safety, and general welfare because the proposed camouflaged wireless facility is subject to the requirements of the Federal Communications Commission (FCC) and conditions of approval have been included to ensure compliance.

**SECTION 4. CMC Section 19.76.090 Special Findings.** A Conditional Use Permit for a new wireless communication facility may be granted only if the following special findings are made by the designated reviewing body.

A. That the proposed wireless communications facility has been designed to achieve compatibility with the surrounding community to the maximum extent reasonably feasible because the proposed stealth wireless facility has been designed to hide the antennas within a cupola and all ancillary equipment will be completely screened from view.

B. That the proposed wireless communication facility constitutes the least intrusive means to reasonably achieve the applicant's stated technical objectives

because the proposed wireless facility will be installed at the absolute minimum height to propagate the necessary wireless coverage to address the gap in coverage and capacity.

**SECTION 5. Approval of CUP-421.** Based on the above findings, the Planning Commission approves CUP-421, including the plans, labeled Exhibit A, subject to the conditions, labeled Exhibit B, which are attached and made a part of this resolution, as well as all applicable general Municipal Code requirements and development standards.

**SECTION 6. Office of Record.** The record of proceedings upon which this decision is based is located in the Community Development Department, which is the office of record for the matter.

**SECTION 7. Construction.** This Resolution must be broadly construed in order to achieve the purposes stated in this Resolution. It is the Planning Commission's intent that the provisions of this Resolution be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Resolution.

**SECTION 8. Reliance On Record.** Each and every one of the determinations in this Resolution are based on the competent and substantial evidence, both oral and written, contained in the entire record relating to the matter. The determinations constitute the independent findings and determinations of the Planning Commission in all respects and are fully and completely supported by substantial evidence in the record as a whole.

**SECTION 9. Limitations.** The Planning Commission's analysis and evaluation of this matter is based on the best information currently available. It is inevitable that, in evaluating the matter, absolute and perfect knowledge of all possible aspects of the matter will not exist. One of the major limitations on analysis of the matter is the Planning Commission's lack of knowledge of future events. In all instances, best efforts have been made to form accurate assumptions. Somewhat related to this are the limitations on the City's ability to solve what are in effect regional, state, and national problems and issues. The City must work within the political framework within which it exists and with the limitations inherent in that framework.

**SECTION 10. Preservation.** This Resolution does not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before this Resolution's effective date. Any such amended part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Resolution.

**SECTION 11. Severability.** If any part of this Resolution or its application is deemed invalid by a court of competent jurisdiction, the Planning Commission intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Resolution are severable.

**SECTION 12.** This Resolution is the Planning Commission's final decision and will become effective immediately upon adoption and will remain effective unless the action is appealed within ten days pursuant to CMC § 19.62.090 or CMC § 19.25.250.

**SECTION 13. Electronic Signatures.** This Resolution may be executed with electronic signatures in accordance with Government Code §16.5. Such electronic signatures will be treated in all respects as having the same effect as an original signature.

**SECTION 14.** The Planning Commission Chair, or presiding officer, is hereby authorized to affix their signature to this Resolution signifying its adoption by the Planning Commission of the City of Camarillo, and the Planning Commission Secretary is directed to attest thereto.

APPROVED and ADOPTED on June 6, 2023, by members of the Planning Commission of the City of Camarillo, voting as follows:

AYES:

NOES:

ABSENT:

ABSTAIN:

\_\_\_\_\_  
Chair

ATTEST:

\_\_\_\_\_  
Secretary

cc: Community Development Department  
General Services (Information Systems Division)  
Jerry Ambrose  
Property Owner





DISH WIRELESS SITE NAME:  
**CAMARILLO OUTLETS**  
DISH WIRELESS SITE NUMBER:  
**LALAX02001C - ROOFTOP**  
DISH WIRELESS SITE ADDRESS:  
**740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010**

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#### CODE COMPLIANCE

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

- |  |  |
|--|--|
| 1. 2022 CALIFORNIA ADMINISTRATIVE CODE | 6. 2022 CALIFORNIA FIRE CODE             |
| 2. 2022 CALIFORNIA BUILDING CODE       | 7. ANY LOCAL BUILDING CODE AMENDMENTS    |
| 3. 2022 CALIFORNIA ELECTRIC CODE       | 8. CITY/COUNTY ORDINANCES                |
| 4. 2022 CALIFORNIA MECHANICAL CODE     | 9. ANSI / TIA-222 STRUCTURAL CODE        |
| 5. 2022 CALIFORNIA PLUMBING CODE       | 10. NFPA 780 - LIGHTNING PROTECTION CODE |

HANDICAP REQUIREMENTS:  
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, AND IS EXEMPTED FROM ACCESSIBILITY REQUIREMENTS IN ACCORDANCE WITH 2022 CALIFORNIA BUILDING CODE SECTION 11B-203.5.

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL, IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

#### SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

SCOPE OF WORK:

- INSTALL (1) FRP ANTENNA CUPOLA
- INSTALL (2) DOORS
- INSTALL (1) INTERIOR ACCESS LADDER
- INSTALL (2) AC FAN COIL UNITS WITH CONDENSING UNITS
- INSTALL (3) 6" PANEL ANTENNAS
- INSTALL (6) RADIOS AT ANTENNAS
- INSTALL (3) SURGE SUPPRESSORS AT ANTENNAS
- INSTALL (6) DISCRETE CABLES (2) PER SECTOR (POWER AND FIBER)
- INSTALL (2) FIF DATA RACKS
- INSTALL (1) W PPC AND TELCO CABINET
- INSTALL (1) GPS ANTENNA
- INSTALL (1) EMERGENCY GENERATOR CAMLOCK w/ ASSOCIATED MTS AT GRADE
- INSTALL NEW 200A 120/208V ELECTRICAL METER

#### SITE PHOTO



UNDERGROUND SERVICE ALERT  
UTILITY NOTIFICATION CENTER OF CALIFORNIA  
(800) 422-4133  
[WWW.CALIFORNIA811.ORG](http://WWW.CALIFORNIA811.ORG)  
CALL 2-1-16 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION



#### GENERAL NOTES

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL, IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

IF CONTRACTOR ENCOUNTERS CONDITIONS IN FIELD, EITHER UNFORESEEN OR IN SOME MANNER IN CONFLICT WITH THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE REGISTERED DESIGN PROFESSIONAL OF SUCH CONDITIONS IN WRITING AND SHALL ACKNOWLEDGE ANY WORK DONE OUTSIDE OF JURISDICTIONAL PERMITTED PLANS IS DONE AT CONTRACTORS OWN RISK.

#### 11"x17" PLOT IS HALF SCALE UNLESS OTHERWISE NOTED

FULL SIZE = 24"x36". ANY OTHER SIZE PRINT IS NOT ORIGINAL SCALE.  
ALL INDICATED DIMENSIONS SHALL TAKE PRECEDENT OVER SCALED DIMENSIONS.

#### SITE INFORMATION

|                      |   |
|----------------------|---|
| PROPERTY OWNER:      | SIMON PROPERTIES C/O ATC                |
| ADDRESS:             | 10 PRESIDENTIAL WAY<br>WOBURN, MA 01801 |
| TOWER TYPE:          | ROOF TOP                                |
| TOWER CO SITE ID:    | 331543                                  |
| TOWER APP NUMBER:    | N/A                                     |
| COUNTY:              | VENTURA                                 |
| LATITUDE (NAD 83):   | 34° 12' 57.29" N<br>34.215914°          |
| LONGITUDE (NAD 83):  | 119° 03' 37.71" W<br>-119.060475°       |
| ZONING JURISDICTION: | CITY OF CAMARILLO                       |
| ZONING DISTRICT:     | CPD                                     |
| PARCEL NUMBER:       | 229-0-010-050                           |
| OCCUPANCY GROUP:     | U                                       |
| CONSTRUCTION TYPE:   | I-B                                     |
| POWER COMPANY:       | SCC                                     |
| TELEPHONE COMPANY:   | SPECTRUMFRONTIER                        |

#### PROJECT DIRECTORY

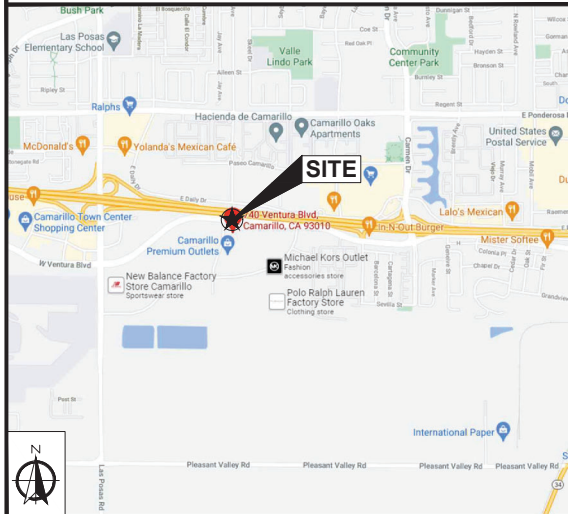
|                       |   |
|-----------------------|---|
| APPLICANT:            | DISH WIRELESS<br>16812 ARMSTRONG AVE, STE 200<br>IRVINE, CA 92606<br>CHLOE ROGERS<br>(636) 222-2337<br>chloe1.rogers@dish.com |
| ROOFTOP MANAGER:      | AMERICAN TOWER CORP.<br>1658 COLE BLVD., SUITE 205<br>LAKEWOOD, CO 80401<br>(303) 274-6568                                    |
| SITE DESIGNER:        | EUKON GROUP<br>RICH BRUNET<br>65 POST, SUITE 1000<br>IRVINE, CA 92618<br>(949) 553-8566                                       |
| LEASING MANAGER:      | JERRY AMBROSE<br>(805) 637-7407<br>jambrose@wireless01.com  |
| PLANNING MANAGER:     | JERRY AMBROSE<br>(805) 637-7407<br>jambrose@wireless01.com  |
| CONSTRUCTION MANAGER: | FRANK ZAPIEN<br>(949) 888-6731<br>frank.zapien@dish.com   |
| RF ENGINEER:          | CRAIG STANZIANO<br>craig.stanziano@dish.com   |

#### DIRECTIONS

DIRECTIONS FROM DISH WIRELESS OFFICE:

- |   |                                      |
|---|--------------------------------------|
| 1. HEAD NORTHWEST TOWARD ARMSTRONG AVE. | 11. TURN RIGHT ONTO VENTURA BLVD.    |
| 2. TURN LEFT ONTO ARMSTRONG AVE.        | 12. TURN LEFT                        |
| 3. TURN RIGHT ONTO BARRANCA PKWY.       | 13. TURN RIGHT                       |
| 4. TURN LEFT ONTO REDHILL AVE.          | 14. DESTINATION WILL BE ON THE RIGHT |
| 5. CONTINUE ON DYER RD.                 |                                      |
| 6. KEEP LEFT STAY ON US-101 N           |                                      |
| 7. KEEP LEFT STAY ON US-101 N           |                                      |
| 8. CONTINUE ONTO US-101 N VENTURA FWY.  |                                      |
| 9. TAKE EXIT 54 FOR CARMEN DR.          |                                      |
| 10. TURN LEFT ONTO CARMEN DR.           |                                      |

#### VICINITY MAP



16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606



65 POST, SUITE 1000  
IRVINE, CA 92618  
TEL: (949) 553-8566  
[www.eukongroup.com](http://www.eukongroup.com)



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

|           |                       |                 |
|-----------|-----------------------|-----------------|
| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
| JY        | GD                    | RB              |

RFDS REV #: 0

#### CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
| 1          | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
| 2          | 01/13/23 | 100% CONSTRUCTION DRAWINGS |
| 3          | 01/26/23 | DRM COMMENTS               |
| 4          | 03/15/23 | DRM COMMENTS               |
| 5          | 04/12/23 | EME REPORT                 |
| 6          | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION

#### CAMARILLO OUTLETS

LALAX02001C

740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

#### TITLE SHEET

SHEET NUMBER

T-1

|  |                        |  |                                   |  |  |  |   |  |   |
|--|------------------------|--|-----------------------------------|--|--|--|---|--|---|
|  | NEW ANTENNA            |  | GROUT OR PLASTER                  |  | EXISTING BRICK   |  | UNDERGROUND TELCO RUN   |  | 5/8" X 10'-0" CU. GND ROD IN TEST WELL 30" MIN. BELOW GRADE.          |
|  | EXISTING ANTENNA       |  | EXISTING MASONRY                  |  | GROUNDING CONDUCTOR  |  | CHEMICAL GROUND ROD (XIT GROUND ROD)  |  | CADWELD CONNECTION  |
|  | GROUND ROD             |  | CONCRETE                          |  | GROUNDING CONDUCTOR  |  | MECHANICAL CONNECTION   |  | HALO GROUND CONNECTION  |
|  | GROUND BUS BAR         |  | EARTH                             |  | CONDUIT UNDERGROUND  |  | CIRCUIT BREAKER   |  | UTILITY METER BASE  |
|  | MECHANICAL GRND. CONN. |  | GRAVEL                            |  | FUSE, SIZE AND TYPE AS INDICATED.  |  | TRANSFORMER   |  | STEPODOWN TRANSFORMER   |
|  | CADWELD                |  | PLYWOOD                           |  | MANUAL TRANSFER SWITCH, 2P-240V/200A, NO FUSE, NEMA 3R ENCLOSURE.  |  | LIGHTING FIXTURE, FLUORESCENT, 10' 84" X 8'-0", 2/95W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #W5W232T |  | RECEPTACLE, 2P-3W-125V-15A, DUPLEX, GROUND TYPE, HUBBELL CATALOG #532 |
|  | GROUND ACCESS WELL     |  | SAND                              |  | LIGHTING FIXTURE, HIGH PRESSURE SODIUM, 1/70W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #WRG-307 OR 1/50W, HUBBELL LIGHTING CATALOG #WRG-121 |  | TOGGLE SWITCH, 1P-125V-15A, HUBBELL CATALOG #HBL 1201CN   |  | TOGGLE SWITCH, 1P-120V-15A, "WP"                                      |
|  | ELECTRIC BOX           |  | WOOD CONT.                        |  | EXIT SIGN, THERMOPLASTIC LED, SINGLE FACE, UNIVERSAL MOUNTING, W/BATTERY PACK, HUBBELL LIGHTING CATALOG #R8                                      |  | IONIZATION SMOKE DETECTOR W/ALARM HORN & AUXILIARY CONTACT, 120 VAC, GENTEX PART NO. 7100F                      |  | POLE  |
|  | TELEPHONE BOX          |  | WOOD BLOCKING                     |  | COMBINATION, EXIT SIGN & EMERGENCY LIGHTING, HUBBELL LIGHTING CATALOG #RRC   |  | NEMA 3R ENCLOSURE   |  | (N) POLE MOUNTED XFMR   |
|  | LIGHT POLE             |  | STEEL                             |  | LIGHTING FIXTURE, INCANDESCENT, 1/100W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #BRH-100-06-1   |  | (E) POLE MOUNTED XFMR   |  | (N) PAD MOUNTED XFMR  |
|  | FND. MONUMENT          |  | CENTERLINE                        |  | LIGHTING FIXTURE, HALOGEN, QUARTZ, 1/300W, HUBBELL LIGHTING CATALOG #QL-505  |  | (E) PAD MOUNTED XFMR  |  |   |
|  | SPOT ELEVATION         |  | PROPERTY/EASE LINE                |  |  |  |   |  |   |
|  | SET POINT              |  | MATCH LINE                        |  |  |  |   |  |   |
|  | REVISION               |  | WORK POINT                        |  |  |  |   |  |   |
|  | GRID REFERENCE         |  | GROUND CONDUCTOR                  |  |  |  |   |  |   |
|  | DETAIL REFERENCE       |  | COAXIAL CABLE                     |  |  |  |   |  |   |
|  | ELEVATION REFERENCE    |  | OVERHEAD SERVICE CONDUCTORS       |  |  |  |   |  |   |
|  | SECTION REFERENCE      |  | CHAIN LINK FENCING                |  |  |  |   |  |   |
|  |                        |  | OVERHEAD TELEPHONE/OVERHEAD POWER |  |  |  |   |  |   |
|  |                        |  | OVERHEAD TELEPHONE LINE           |  |  |  |   |  |   |
|  |                        |  | OVERHEAD POWER LINE               |  |  |  |   |  |   |
|  |                        |  | UNDERGROUND POWER RUN             |  |  |  |   |  |   |
|  |                        |  | UNDERGROUND POWER/TELCO RUN       |  |  |  |   |  |   |

|  |
|--|
| <div> <div>LEGEND</div> <div> <div> <div>A</div> <div>AMPERE</div> </div> <div> <div>A.B</div> <div>ANCHOR BOLT</div> </div> <div> <div>ABV</div> <div>ABOVE</div> </div> <div> <div>AC</div> <div>ALTERNATE CURRENT/ACR CONDITIONER</div> </div> <div> <div>ACCA</div> <div>ANTENNA CABLE COVER ASSEMBLY</div> </div> <div> <div>ADDL</div> <div>ADDITIONAL</div> </div> <div> <div>A.F.G</div> <div>ABOVE FINISHED GRADE</div> </div> <div> <div>AFC</div> <div>AMPERE INTERRUPTING CAPACITY</div> </div> <div> <div>ALUM</div> <div>ALUMINUM</div> </div> <div> <div>ALT</div> <div>ALTERNATE</div> </div> <div> <div>ANT</div> <div>ANTENNA</div> </div> <div> <div>APPROX.</div> <div>APPROXIMATE(LY)</div> </div> <div> <div>ARCH.</div> <div>ARCHITECTURAL</div> </div> <div> <div>AT</div> <div>AMPERE TRIP</div> </div> <div> <div>AWG</div> <div>AMERICAN WIRE GAUGE</div> </div> <div> <div>BATT.</div> <div>BATTERY</div> </div> <div> <div>BD</div> <div>BOARD</div> </div> <div> <div>BUILD</div> <div>BUILDING</div> </div> <div> <div>BLK</div> <div>BLOCK</div> </div> <div> <div>BLKG</div> <div>BLOCKING</div> </div> <div> <div>BM</div> <div>BEAM</div> </div> <div> <div>B.N</div> <div>BOUNDARY NAILING</div> </div> <div> <div>BRKR</div> <div>BREAKER</div> </div> <div> <div>BTOW</div> <div>BARE TINNED COPPER WIRE</div> </div> <div> <div>BTS</div> <div>BASE TRANSMISSION SYSTEM</div> </div> <div> <div>B.O.F</div> <div>BOTTOM OF FOOTING</div> </div> <div> <div>BU</div> <div>BACK-UP CABINET</div> </div> <div> <div>CONDUIT</div> <div>CONDUIT</div> </div> <div> <div>CAB.</div> <div>CABINET</div> </div> <div> <div>CANT.</div> <div>CANTILEVERED</div> </div> <div> <div>CB</div> <div>CIRCUIT BREAKER</div> </div> <div> <div>CDMA</div> <div>CODE-DIVISION MULTIPLE ACCESS (2G &amp; 3G)</div> </div> <div> <div>CDUK</div> <div>CAST IN PLACE</div> </div> <div> <div>CONSLD</div> <div>CONSOLIDATION DISTRIBUTION UNIT NOT</div> </div> <div> <div>CAST IN PLACE</div> <div>CAST IN PLACE</div> </div> <div> <div>CKT</div> <div>CIRCUIT</div> </div> <div> <div>CLG</div> <div>CEILING</div> </div> <div> <div>CLBR</div> <div>CLEAR</div> </div> <div> <div>CMU</div> <div>CONCRETE MASONRY UNIT (JAMB BLOCKS)</div> </div> <div> <div>COL</div> <div>COLUMN</div> </div> <div> <div>CONC.</div> <div>CONCRETE</div> </div> <div> <div>CONC.</div> <div>CONNECTION(OR)</div> </div> <div> <div>CONST.</div> <div>CONSTRUCTION</div> </div> <div> <div>CONTINGENT</div> <div>CONTINGENT</div> </div> <div> <div>d</div> <div>DOUBLE</div> </div> <div> <div>DEM</div> <div>DIRECT CURRENT</div> </div> <div> <div>DEMAND</div> <div>DEMAND</div> </div> <div> <div>DEPT.</div> <div>DEPARTMENT</div> </div> <div> <div>D.F</div> <div>DOUGLAS FIR</div> </div> <div> <div>DIAM</div> <div>DIAMETER</div> </div> <div> <div>DIAG.</div> <div>DIAGONAL</div> </div> <div> <div>DM</div> <div>DIMENSION</div> </div> <div> <div>DWG.</div> <div>DRAWING(S)</div> </div> <div> <div>DR</div> <div>DRAWING(S)</div> </div> <div> <div>EA</div> <div>EACH</div> </div> <div> <div>EGR</div> <div>EMERGENCY GENERATOR RECEPTACLE</div> </div> <div> <div>ELEC</div> <div>ELECTRICAL</div> </div> <div> <div>ELEV.</div> <div>ELEVATOR</div> </div> </div> <div> <div>EMT.</div> <div>EDGE NAIL</div> </div> <div> <div>ENCL</div> <div>ENCLOSURE</div> </div> <div> <div>ENG.</div> <div>ENGINEER</div> </div> <div> <div>EQ</div> <div>EQUAL</div> </div> <div> <div>EXIST</div> <div>EXISTING</div> </div> <div> <div>EXT.</div> <div>EXTERIOR</div> </div> <div> <div>FAB.</div> <div>FABRICATION(OR)</div> </div> <div> <div>FAC</div> <div>FACTOR</div> </div> <div> <div>FAC</div> <div>FIRE ALARM</div> </div> <div> <div>F.F</div> <div>FINISH FLOOR</div> </div> <div> <div>F.F</div> <div>FINISH GRADE</div> </div> <div> <div>FINL</div> <div>FINISHED</div> </div> <div> <div>FLUR</div> <div>FLOOR</div> </div> <div> <div>FLUR</div> <div>FLUORESCENT</div> </div> <div> <div>FDN.</div> <div>FOUNDATION</div> </div> <div> <div>F.O.C</div> <div>FACE OF CONCRETE</div> </div> <div> <div>F.O.M</div> <div>FACE OF MASONRY</div> </div> <div> <div>F.O.S</div> <div>FACE OF STUD</div> </div> <div> <div>F.O.W</div> <div>FACE OF WALL</div> </div> <div> <div>FRP</div> <div>FIBER REINFORCE POLYMER/GALV.</div> </div> <div> <div>F.S</div> <div>FINISH SURFACE</div> </div> <div> <div>FT</div> <div>FOOT (FEET)</div> </div> <div> <div>FTS</div> <div>FOOTING</div> </div> <div> <div>FU</div> <div>FUSE</div> </div> <div> <div>G</div> <div>GROUND</div> </div> <div> <div>GR</div> <div>GROWTH (CABINET)</div> </div> <div> <div>GA</div> <div>GAUGE</div> </div> <div> <div>GEN</div> <div>GENERATOR</div> </div> <div> <div>G.F.C.I</div> <div>GROUND FAULT CIRCUIT INTERRUPTER</div> </div> <div> <div>GLB</div> <div>GLUE LAMINATED BEAM</div> </div> <div> <div>GLU</div> <div>GLUE</div> </div> <div> <div>GND</div> <div>GROUND</div> </div> <div> <div>GPS</div> <div>GLOBAL POSITIONING SYSTEM</div> </div> <div> <div>GRND</div> <div>GROUND</div> </div> <div> <div>GSM</div> <div>GLOBAL SYSTEM MOBILE (2G-MOBILE TECH.)</div> </div> <div> <div>HDBC</div> <div>HARD DRAWN COPPER WIRE</div> </div> <div> <div>HLR</div> <div>HEADER</div> </div> <div> <div>HGR</div> <div>HANGER</div> </div> <div> <div>HPS</div> <div>HIGH PRESSURE SODIUM</div> </div> <div> <div>HT</div> <div>HEIGHT</div> </div> <div> <div>ICGB</div> <div>INTEGRATED COPPER GROUND BUS</div> </div> <div> <div>ILC</div> <div>INTEGRATED LEAD CENTER</div> </div> <div> <div>INT</div> <div>INTERIOR</div> </div> <div> <div>INT</div> <div>INTERIOR</div> </div> <div> <div>LAG</div> <div>LAG BOLTS</div> </div> <div> <div>L.F.</div> <div>LINEAR FEET (FOOT)</div> </div> <div> <div>LEN</div> <div>LENGTH</div> </div> <div> <div>LNG</div> <div>LONGITUDINAL</div> </div> <div> <div>LPS</div> <div>LOW PRESSURE SODIUM</div> </div> <div> <div>LTE</div> <div>LONG TERM EVOLUTION (4G MOBILE TECH.)</div> </div> <div> <div>MAX</div> <div>MAXIMUM</div> </div> <div> <div>MAX</div> <div>MAXIMUM</div> </div> <div> <div>MECH</div> <div>MECHANICAL</div> </div> <div> <div>MFR</div> <div>MANUFACTURER</div> </div> <div> <div>MIN</div> <div>MINIMUM</div> </div> <div> <div>MISC</div> <div>MISCELLANEOUS</div> </div> <div> <div>MLO</div> <div>MAIN LUGS ONLY</div> </div> </div> <div> <div>MTD.</div> <div>MTG.</div> </div> <div> <div>MTL</div> <div>MTL</div> </div> <div> <div>MTS</div> <div>MTS</div> </div> <div> <div>N</div> <div>NEUTRAL</div> </div> <div> <div>(N)</div> <div>NEW</div> </div> <div> <div>NEMA</div> <div>NATIONAL ELECTRICAL MANUFACTURERS ASSOC.</div> </div> <div> <div>NO</div> <div>NOT TO SCALE</div> </div> <div> <div>N.T.S</div> <div>NOT TO SCALE</div> </div> <div> <div>OBIF</div> <div>OPTICAL BASEBAND INTERFACE</div> </div> <div> <div>OH</div> <div>OVERHEAD</div> </div> <div> <div>O.C</div> <div>ON CENTER</div> </div> <div> <div>ORNG</div> <div>OPENING</div> </div> <div> <div>P</div> <div>POLE</div> </div> <div> <div>P/C</div> <div>PRECAST CONCRETE</div> </div> <div> <div>PCS</div> <div>PERSONAL COMMUNICATION SERVICES</div> </div> <div> <div>PH</div> <div>PHASE</div> </div> <div> <div>PLY</div> <div>PLYWOOD</div> </div> <div> <div>PNLBD</div> <div>PANELBOARD</div> </div> <div> <div>PPC</div> <div>POWER PROTECTION CABINET</div> </div> <div> <div>PRC</div> <div>PRIMARY RADIO CABINET</div> </div> <div> <div>PR</div> <div>PRIMARY</div> </div> <div> <div>P.S.F</div> <div>POUNDS PER SQUARE FOOT</div> </div> <div> <div>P.S.I</div> <div>POUNDS PER SQUARE INCH</div> </div> <div> <div>P.T</div> <div>PRESSURE TREATED</div> </div> <div> <div>PWR</div> <div>POWER (CABINET)</div> </div> <div> <div>QTY</div> <div>QUANTITY</div> </div> <div> <div>RAD</div> <div>RADIUS</div> </div> <div> <div>RAD</div> <div>RADIO BASE STATION</div> </div> <div> <div>REF</div> <div>REFERENCE</div> </div> <div> <div>RCPT.</div> <div>RECEPTACLE</div> </div> <div> <div>REF</div> <div>REFERENCE</div> </div> <div> <div>REIN</div> <div>REINFORCEMENT(ING)</div> </div> <div> <div>RECD</div> <div>REQUIRED</div> </div> <div> <div>RSG</div> <div>RIGID GALVANIZED STEEL</div> </div> <div> <div>RRU</div> <div>REMOVAL UNIT (RADIO TRANSCEIVER)</div> </div> <div> <div>RXANT</div> <div>RECEIVER AIR INTERFACE TRAY</div> </div> <div> <div>SAP</div> <div>SCHEDULE</div> </div> <div> <div>SCH</div> <div>SCHEDULE</div> </div> <div> <div>SDRC</div> <div>SOFT DRAWN BARE COPPER</div> </div> <div> <div>SEC</div> <div>SECONDARY</div> </div> <div> <div>SHET</div> <div>SHEET</div> </div> <div> <div>SIM</div> <div>SIMILAR</div> </div> <div> <div>S.N</div> <div>SOLID NEUTRAL</div> </div> <div> <div>SPEC.</div> <div>SPECIFICATION(S)</div> </div> <div> <div>SQ</div> <div>SQUARE</div> </div> <div> <div>S.S</div> <div>STAINLESS STEEL</div> </div> <div> <div>STD.</div> <div>STANDARD</div> </div> <div> <div>STL</div> <div>STEEL</div> </div> <div> <div>STRUC.</div> <div>STRUCTURAL</div> </div> <div> <div>SURF</div> <div>SURFACE</div> </div> <div> <div>SW</div> <div>SWITCH</div> </div> <div> <div>TEL</div> <div>TELEPHONE</div> </div> <div> <div>TEMP</div> <div>TEMPERARY</div> </div> <div> <div>TRK</div> <div>TRUCK</div> </div> <div> <div>TMS</div> <div>TOWER MOUNTED AMPLIFIER</div> </div> <div> <div>(DC SUPPLY VOLTAGE)</div> <div>(DC SUPPLY VOLTAGE)</div> </div> <div> <div>T.N</div> <div>TOE NAIL</div> </div> <div> <div>T.O.A</div> <div>TOP OF ANTENNA</div> </div> <div> <div>T.O.C</div> <div>TOP OF CURB</div> </div> |
|--|

T.O.F

TOP OF FOUNDATION

T.O.P

TOP OF PLATE (PARAPET)

T.O.S

TOP OF STEEL

T.O.W

TOP OF WALL

U

UNDERGROUND

U.L

UNDERWRITERS LABORATORY INC.

UNO

UNIVERSAL MOBILE TECH. SYS. (3G MOBILE TECH.)

V

VOLTS

VAC

VOLT ALTERNATING CURRENT

V.I.F

VERIFY IN FIELD

W

WATT OR WIRE

WD

WIDE(WIDTH)

W/

WITH

WO

WITHOUT

WO

WOOD

WP

WEATHERPROOF

WT

WEIGHT

XFR

WATER

XFMR

TRANSFORMER

X/PE

CROSS-LINK POLYETHYLENE

E

CENTERLINE

E

PLATE, PROPERTY LINE

3

NOTES FOR EXISTING CELL SITES:

1.

PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.

2.

SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

3.

THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.

4.

SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

5.

SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.

6.

SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNERS DESIGNATED LOCATION.

|     |   |
|-----|---|
| 1.  | THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.   |
| 2.  | PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.  |
| 3.  | PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.  |
| 4.  | THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.   |
| 5.  | THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.   |
| 6.  | ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.   |
| 7.  | THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF WORK UNDER THE CONTRACT INCLUDING COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.   |
| 8.  | SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.   |
| 9.  | PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.  |
| 10. | DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.  |
| 11. | REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET L51 OR SHEET C-1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.   |
| 12. | THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF CARRIER.   |
| 13. | KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.   |
| 14. | PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIQUID MATERIALS IN ACCORDANCE WITH MRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLASSIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.   |
| 15. | BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.   |
| 16. | CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.  |
| 17. | THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.   |
| 18. | CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.   |
| 19. | CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK, AS SPECIFIED ON SITE PLAN.   |
| 20. | CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.   |
| 21. | PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS-BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING. |

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SUITE 200  
IRVINE, CA 92606

an SFC Communications, Inc. Company

65 POST, SUITE 1000  
IRVINE, CA 92618  
TEL: (949) 553-8566  
[www.eukongroup.com](http://www.eukongroup.com)

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

|           |                       |                 |
|-----------|-----------------------|-----------------|
| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
| JY        | GD                    | RB              |

RFDS REV #: 0

## CONSTRUCTION DRAWINGS

| REV | DATE     | DESCRIPTION                |
|-----|----------|----------------------------|
| 0   | 12/01/22 | 90% CONSTRUCTION DRAWINGS  |
| 1   | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
| 2   | 01/13/23 | 100% CONSTRUCTION DRAWINGS |
| 3   | 01/26/23 | DRM COMMENTS               |
| 4   | 03/15/23 | DRM COMMENTS               |
| 5   | 04/12/23 | EME REPORT                 |
| 6   | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION

## CAMARILLO OUTLETS

LALAX02001C

740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

## GENERAL NOTES, LEGEND, AND ABBREVIATIONS

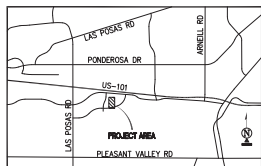
SHEET NUMBER

# T-2

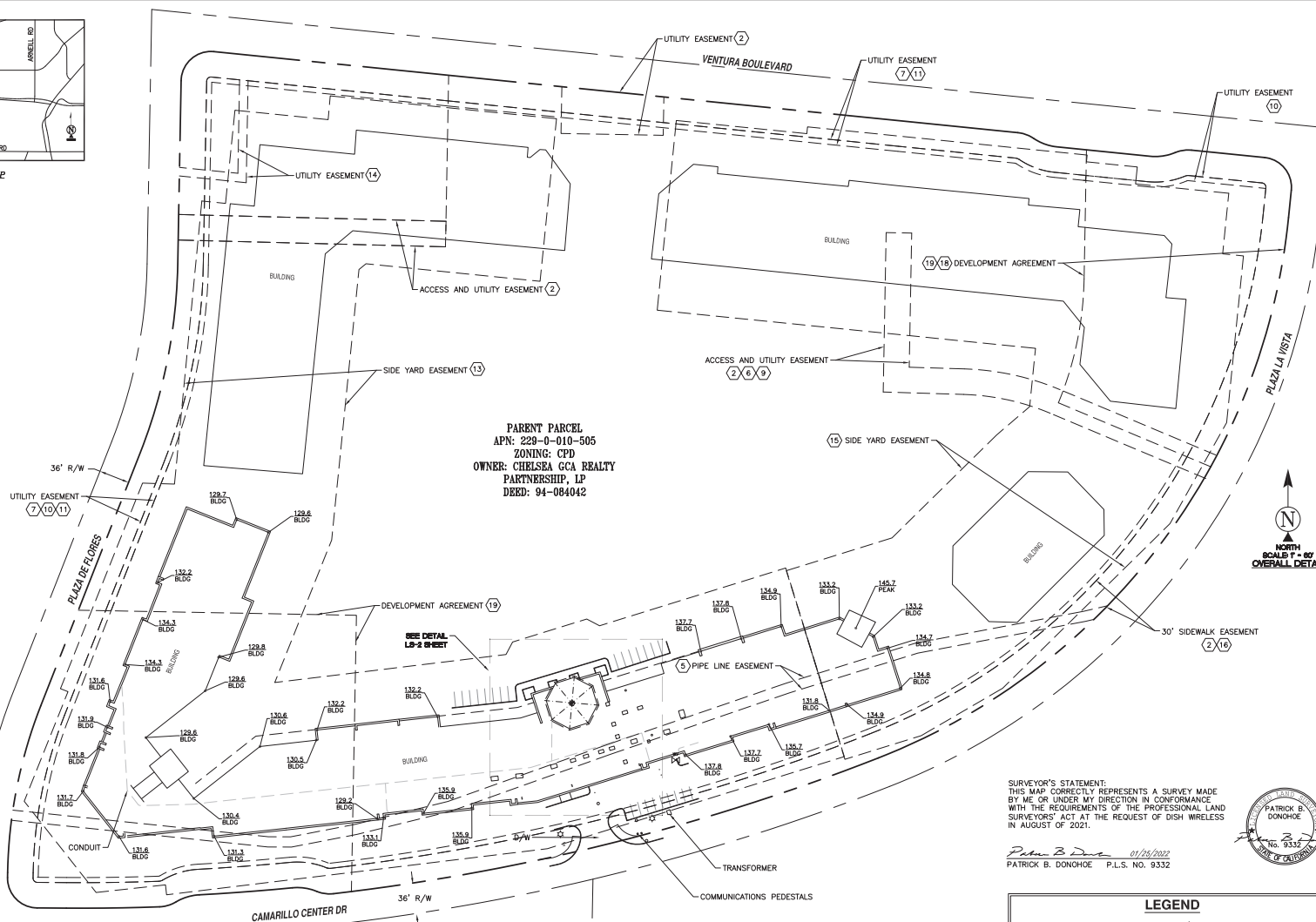
[illegible]

FABRICATOR MUST BE REGISTERED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION FOR THE FABRICATION OF MEMBERS AND ASSEMBLIES ON THE PREMISES OF THE FABRICATOR'S SHOP.





VICINITY MAP  
N.T.S.



SURVEY DATE  
08/09/2021

#### BENCHMARK

PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 12B" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "SMARTNET" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD83.

#### BASIS OF BEARING

BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA ZONE FIVE STATE PLANE COORDINATE SYSTEM BASED ON THE NORTH AMERICAN DATUM OF 1983(2011) (EPOCH 2019.25). DETERMINED BY GLOBAL POSITIONING SYSTEM EQUIPMENT ON THE SMARTNET REFERENCE NETWORK.

#### FLOOD\_ZONE

THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD\_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #061110933F, DATED 1/7/2015.

#### UTILITY NOTES

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

#### SURVEYOR'S NOTES

CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS AND FOLLOW THE CURRENT NATIONAL MAP STANDARDS FOR VERTICAL ACCURACY.

THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

ALL DISTANCES SHOWN HEREON ARE GRID DISTANCES.

SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED.

SURVEYOR'S STATEMENT:  
THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF DISH WIRELESS IN AUGUST OF 2021.

*Patrick B. Donohoe* 01/26/2022  
PATRICK B. DONOHOE P.L.S. NO. 9332



#### LEGEND

|      |                        |     |                                  |
|------|------------------------|-----|----------------------------------|
| AP   | ASPHALT                | ☆   | LIGHT POLE                       |
| BLDG | TOP OF BUILDING        | ⊕   | POSITION OF GEODETIC COORDINATES |
| CONC | CONCRETE               | ⊕   | SPOT ELEVATION                   |
| D/W  | ACCESS DRIVEWAY        | ⊕   | WATER CONTROL VALVE              |
| FC   | FACE OF CURB           | ⊕   | GAS VALVE                        |
| LP   | LIGHT POLE             | ⊕   | TREES                            |
| NG   | NATURAL GRADE          | ⊕   | PALM TREES                       |
| R/W  | RIGHT OF WAY           | ⊕   | PINE TREES                       |
| TP   | TOP OF PARAPET         | ⊕   |                                  |
| ---  | STREET CENTERLINES     | --- | SUBJECT PROPERTY LINE            |
| ---  | ADJACENT PROPERTY LINE | --- | EASEMENT LINES                   |
| ---  | TIE LINES              | --- | LEASE AREA LIMITS                |

APPLICANT:

**dish**  
wireless.

5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

ENGINEER:

**Eukon**  
an SFC Communications, Inc. Company

65 POST, SUITE 1000  
IRVINE, CA 92618  
TEL: (949) 553-8566  
www.eukongroup.com

DRAWN BY: DH  
CHECKED BY: PD

REVISIONS:

| REV | DATE     | DESCRIPTION           |
|-----|----------|-----------------------|
| 0   | 01/20/22 | TITLE/DESIGN (C) (CK) |
| A   | 08/12/21 | PRELIMINARY (DH)      |



ambit consulting

428 MAIN STREET  
SUITE 206  
HUNTINGTON BEACH, CA 92648  
PH. (480) 659-4072  
www.ambitconsulting.us

PROJECT INFORMATION:

LALALX02001C

740 VENTURA BLVD.  
CAMARILLO, CA 93010

VENTURA COUNTY

SHEET TITLE:

SITE SURVEY

SHEET NUMBER:

**LS-1**





#### SCHEDULE "B" NOTE

REFERENCE IS MADE TO THE TITLE REPORT ORDER #92015348-920-CM-CMS, ISSUED BY COMMONWEALTH LAND TITLE INSURANCE COMPANY, EFFECTIVE DATE JUNE 7, 2021. ALL EASEMENTS CONTAINED WITHIN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED.

#### ITEMIZED NOTES:

1. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT DISCLOSED BY THE PUBLIC RECORDS, (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

(2) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS DELINEATED ON OR AS OFFERED FOR DEDICATION ON

MAP/PLAT: TRACT NO. 4172  
RECORDING NO: BOOK 114, PAGES 40 THROUGH 45 OF TRACT MAPS  
PURPOSE: SIDEWALK  
AFFECTS: AS SHOWN ON SAID TRACT MAP  
PURPOSE: ACCESS AND UTILITIES  
AFFECTS: AS SHOWN ON SAID TRACT MAP (AS SHOWN HEREON)

3. THE HEIGHT LIMITATION COVENANTS AND OTHER COVENANTS AND AGREEMENTS AFFECTING A PORTION OF SAID LAND AND OTHER PROPERTY CONTAINED IN THE AGREEMENT

EXECUTED BY: E. W. DALY  
RECORDING DATE: JULY 8, 1942  
RECORDING NO.: BOOK 656, PAGE 640 OF OFFICIAL RECORDS  
AFFECTS: A PORTION OF SAID LAND (EXACT LOCATION IS INDETERMINATE)

4. THE HEIGHT LIMITATION COVENANTS AND OTHER COVENANTS AND AGREEMENTS AFFECTING A PORTION OF SAID LAND AND OTHER PROPERTY CONTAINED IN THE AGREEMENT

EXECUTED BY: E. W. DALY  
RECORDING DATE: JULY 18, 1942  
RECORDING NO.: BOOK 657, PAGE 851 OF OFFICIAL RECORDS  
AFFECTS: A PORTION OF SAID LAND (EXACT LOCATION IS INDETERMINATE)

(5) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:  
GRANTED TO: BERNICE DAILY GAST AND GLADYS DAILY COFFMAN  
PURPOSE: A PIPELINE AND INGRESS AND EGRESS  
RECORDING DATE: APRIL 23, 1949  
RECORDING NO: BOOK 869, PAGE 104 OF OFFICIAL RECORDS  
AFFECTS: A PORTION OF SAID LAND (AS SHOWN ON SURVEY)

(6) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:  
GRANTED TO: GTE CALIFORNIA INCORPORATED  
PURPOSE: PUBLIC UTILITIES  
RECORDING DATE: APRIL 25, 1989  
RECORDING NO: 89-63833 OF OFFICIAL RECORDS  
AFFECTS: A PORTION OF SAID LAND BY A QUITCLAIM DEED, SAID QUITCLAIM OF EASEMENT QUITCLAIMS A PORTION OF SAID EASEMENT.  
RECORDING DATE: OCTOBER 19, 1995  
RECORDING NO.: 95-126897 OF OFFICIAL RECORDS (AS SHOWN ON SURVEY)

(7) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:  
GRANTED TO: GTE CALIFORNIA INCORPORATED  
PURPOSE: UNDERGROUND CONDUITS, MANHOLES, PEDESTALS, CABLES AND WIRES  
RECORDING DATE: APRIL 27, 1989  
RECORDING NO: 89-63845 OF OFFICIAL RECORDS  
AFFECTS: A PORTION OF SAID LAND BY A QUITCLAIM DEED, SAID QUITCLAIM OF EASEMENT QUITCLAIMS A PORTION OF SAID EASEMENT.  
RECORDING DATE: OCTOBER 19, 1995  
RECORDING NO.: 95-63845 OF OFFICIAL RECORDS  
AND RECORDING DATE: OCTOBER 19, 1995  
AND RECORDING NO: 95-126896 OF OFFICIAL RECORDS (AS SHOWN ON SURVEY)

8. COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, GENDER, GENDER IDENTITY, GENDER EXPRESSION, SEXUAL ORIENTATION, MARITAL STATUS, NATIONAL ORIGIN, ANCESTRY, FAMILIAL STATUS, SOURCE OF INCOME, DISABILITY, VETERAN OR MILITARY STATUS, GENETIC INFORMATION, MEDICAL CONDITION, CITIZENSHIP, PRIMARY LANGUAGE, AND IMMIGRATION STATUS, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT  
RECORDING DATE: MAY 12, 1989  
RECORDING NO: 89-74597 OF OFFICIAL RECORDS  
SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH AND FOR VALUE. (EXACT LOCATION IS INDETERMINATE)

(9) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:  
GRANTED TO: SOUTHERN CALIFORNIA GAS COMPANY  
PURPOSE: PIPE LINES  
RECORDING DATE: JULY 7, 1989  
RECORDING NO: 89-106506 OF OFFICIAL RECORDS  
AFFECTS: A PORTION OF SAID LAND (AS SHOWN ON SURVEY)

(10) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:  
GRANTED TO: CALIFORNIA EDISON COMPANY  
PURPOSE: PUBLIC UTILITIES  
RECORDING DATE: OCTOBER 26, 1989  
RECORDING NO: 89-171927 OF OFFICIAL RECORDS  
AFFECTS: A PORTION OF SAID LAND  
LIMITATIONS ON THE USE, BY THE OWNERS OF SAID LAND, OF THE EASEMENT AREA AS SET FORTH IN THE EASEMENT DOCUMENT SHOWN HEREINAFORE  
REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS. (AS SHOWN ON SURVEY)

#### SCHEDULE "B" NOTE

(11) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:  
GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY  
PURPOSE: PUBLIC UTILITIES  
RECORDING DATE: OCTOBER 26, 1989  
RECORDING NO: 89-171928 OF OFFICIAL RECORDS  
AFFECTS: A PORTION OF SAID LAND (AS SHOWN ON SURVEY)

12. COVENANTS, CONDITIONS AND RESTRICTIONS BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, GENDER, GENDER IDENTITY, GENDER EXPRESSION, SEXUAL ORIENTATION, MARITAL STATUS, NATIONAL ORIGIN, ANCESTRY, FAMILIAL STATUS, SOURCE OF INCOME, DISABILITY, VETERAN OR MILITARY STATUS, GENETIC INFORMATION, MEDICAL CONDITION, CITIZENSHIP, PRIMARY LANGUAGE, AND IMMIGRATION STATUS, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH IN THE DOCUMENT  
RECORDING DATE: SEPTEMBER 8, 1994  
RECORDING NO: 94-145617 OF OFFICIAL RECORDS  
SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH AND FOR VALUE. (BLANKET IN NATURE)

(13) AN INSTRUMENT ENTITLED COVENANT AND AGREEMENT REGARDING MAINTENANCE OF YARDS

EXECUTED BY: CHELSEA GCA REALTY PARTNERSHIP, L.P.

IN FAVOR OF: CITY OF CAMARILLO

RECORDING DATE: JANUARY 12, 1995

RECORDING NO: 95-4040 OF OFFICIAL RECORDS

WHICH AMONG OTHER THINGS PROVIDES: AS PROVIDED THEREIN

REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.

THIS COVENANT AND AGREEMENT PROVIDES THAT IT SHALL BE BINDING UPON ANY FUTURE OWNERS, ENCUMBRANCES, THEIR SUCCESSORS OR ASSIGNS, AND SHALL CONTINUE IN EFFECT UNTIL THE ADVISORY AGENCY APPROVES TERMINATION. (AS SHOWN ON SURVEY)

(14) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY

PURPOSE: UNDERGROUND ELECTRICAL SUPPLY SYSTEM AND COMMUNICATION SYSTEMS

RECORDING DATE: MAY 17, 1995

RECORDING NO: 95-59180 OF OFFICIAL RECORDS

AFFECTS: A PORTION OF SAID LAND (AS SHOWN ON SURVEY)

(15) AN INSTRUMENT ENTITLED COVENANT AND AGREEMENT

EXECUTED BY: CHELSEA GCA REALTY PARTNERSHIP, L.P.

IN FAVOR OF: CITY OF CAMARILLO

RECORDING DATE: MAY 31, 1995

RECORDING NO: 95-64343 OF OFFICIAL RECORDS

WHICH AMONG OTHER THINGS PROVIDES: AS PROVIDED THEREIN

REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.

THIS COVENANT AND AGREEMENT PROVIDES THAT IT SHALL BE BINDING UPON ANY FUTURE OWNERS, ENCUMBRANCES, THEIR SUCCESSORS OR ASSIGNS, AND SHALL CONTINUE IN EFFECT UNTIL THE ADVISORY AGENCY APPROVES TERMINATION. (AS SHOWN ON SURVEY)

(16) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO: THE CITY OF CAMARILLO

PURPOSE: PUBLIC UTILITY

RECORDING DATE: JULY 19, 1995

RECORDING NO: 95-84272 OF OFFICIAL RECORDS

AFFECTS: A PORTION OF SAID LAND (AS SHOWN ON SURVEY)

17. THE LAND DESCRIBED HEREIN IS INCLUDED WITHIN A PROJECT AREA OF THE REDEVELOPMENT AGENCY SHOWN BELOW, AND THAT PROCEEDINGS FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY A DOCUMENT:

REDEVELOPMENT AGENCY: CITY OF CAMARILLO

RECORDING DATE: JUNE 26, 1996

RECORDING NO: 96-87397 OF OFFICIAL RECORDS (BLANKET IN NATURE)

(18) AN UNRECORDED LEASE WITH CERTAIN TERMS, COVENANTS, CONDITIONS AND PROVISIONS SET FORTH THEREIN AS DISCLOSED BY THE DOCUMENT

ENTITLED: MEMORANDUM OF LEASE AGREEMENT

LESSOR: CHELSEA GCA REALTY PARTNERSHIP, L.P., A DELAWARE LIMITED PARTNERSHIP

LESSEE: SAKS & COMPANY, A NEW YORK CORPORATION

RECORDING DATE: OCTOBER 10, 1996

RECORDING NO: 96-140972 OF OFFICIAL RECORDS

THE PRESENT OWNERSHIP OF THE LEASEHOLD CREATED BY SAID LEASE AND OTHER MATTERS AFFECT THE INTEREST OF THE LESSEE ARE NOT SHOWN HEREIN. (AS SHOWN ON SURVEY)

(19) MATTERS CONTAINED IN THAT CERTAIN DOCUMENT

ENTITLED: AGREEMENT AFFECTING REAL PROPERTY

DATED: OCTOBER 25, 1989

EXECUTED BY: CITY OF CAMARILLO AND CHELSEA GCA REALTY, INC.

RECORDING DATE: NOVEMBER 29, 1996

RECORDING NO: 96-164114 OF OFFICIAL RECORDS

REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS. (AS SHOWN ON SURVEY)

20. PLEASE BE ADVISED THAT OUR SEARCH DID NOT DISCLOSE ANY UNRECORDED INSTRUMENTS OR INTERESTS THAT WE HAVE KNOWLEDGE OF ANY OUTSTANDING OBLIGATION, PLEASE CONTACT THE TITLE DEPARTMENT IMMEDIATELY FOR FURTHER REVIEW PRIOR TO CLOSING. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

#### SCHEDULE "B" NOTE

21. BEFORE ISSUING ITS POLICY OF TITLE INSURANCE, THE COMPANY WILL REQUIRE THE FOLLOWING FOR THE BELOW-NAMED LIMITED PARTNERSHIP: NAME: CHELSEA GCA REALTY PARTNERSHIP, L.P., A DELAWARE LIMITED PARTNERSHIP CERTIFICATE OF LIMITED PARTNERSHIP FILED WITH THE SECRETARY OF STATE, IN COMPLIANCE WITH THE PROVISIONS OF THE CALIFORNIA REVISED LIMITED PARTNERSHIP ACT, SECTION 15611 ET. SEQ., CORPORATIONS CODE.

CERTIFIED COPY OF THE CERTIFICATE OF LIMITED PARTNERSHIP CERTIFIED BY THE SECRETARY OF STATE FILED WITH THE COUNTY RECORDER. THE COMPANY RESERVES THE RIGHT TO ADD ADDITIONAL ITEMS OR MAKE FURTHER REQUIREMENTS AFTER REVIEW OF THE REQUESTED DOCUMENTATION (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

22. ANY RIGHTS OF THE PARTIES IN POSSESSION OF A PORTION OF, OR ALL OF, SAID LAND, WHICH RIGHTS ARE NOT DISCLOSED BY THE PUBLIC RECORDS.

THE COMPANY WILL REQUIRE, FOR REVIEW, A FULL AND COMPLETE COPY OF ANY UNRECORDED AGREEMENT, CONTRACT, LICENSE AND/OR LEASE, TOGETHER WITH ALL SUPPLEMENTS, ASSIGNMENTS AND AMENDMENTS THERETO, BEFORE ISSUING ANY POLICY OF TITLE INSURANCE WITHOUT EXCEPTING THIS ITEM FROM COVERAGE. THE COMPANY RESERVES THE RIGHT TO EXCEPT ADDITIONAL ITEMS AND/OR MAKE ADDITIONAL REQUIREMENTS AFTER REVIEWING SAID DOCUMENTS. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE SHOWN HEREON)

#### LESSOR'S LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF CAMARILLO, IN THE COUNTY OF VENTURA, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

THE COMBINATION OF LOTS 21, 22, 23 AND 24 OF TRACT NO. 4172, IN THE CITY OF CAMARILLO, COUNTY OF VENTURA, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 114, PAGES 40 THROUGH 45, INCLUSIVE OF MISCELLANEOUS RECORDS (MAPS), NOW SHOWN AS PARCEL A OF LOT LINE ADJUSTMENT NO. LD 371A, RECORDED SEPTEMBER 26, 1994, AS INSTRUMENT NO. 94-153882 OF OFFICIAL RECORDS, BOTH IN THE OFFICE OF THE COUNTY RECORDER, OF SAID COUNTY.

EXCEPT THEREFROM THAT PORTION OF SAID LAND GRANTED TO THE CITY OF CAMARILLO, IN DEED RECORDED SEPTEMBER 28, 1994, AS INSTRUMENT NO. 94-156047 OF OFFICIAL RECORDS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

TOGETHER WITH LOT 20, IN THE CITY OF CAMARILLO, OF TRACT NO. 4172, AS PER MAP RECORDED IN BOOK 114, PAGES 40 THROUGH 45, INCLUSIVE OF MISCELLANEOUS RECORDS (MAPS) IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT ALL OIL, GAS, OTHER HYDROCARBON SUBSTANCES AND MINERALS IN AND UNDER A PORTION OF SAID PROPERTY DESCRIBED IN , WITHOUT, HOWEVER, ANY RIGHT TO ENTER ON THE SURFACE OF SAID PROPERTY, OR WITHIN 500 FEET BENEATH THE SURFACE, AS RESERVED BY LIVINGSTON MEMORIAL FOUNDATION, A CALIFORNIA NON-PROFIT CORPORATION, RECORDED APRIL 20, 1979 IN BOOK 5372 PAGE 644, OFFICIAL RECORDS.

EXCEPT ALL OIL, GAS, OTHER HYDROCARBON SUBSTANCES AND MINERALS IN AND UNDER A PORTION OF SAID PROPERTY WITHOUT, HOWEVER, ANY RIGHT TO ENTER ON THE SURFACE OF SAID PROPERTY, OR WITHIN 500 FEET BENEATH THE SURFACE, AS RESERVED BY LIVINGSTON MEMORIAL FOUNDATION, A CALIFORNIA NON-PROFIT CORPORATION, IN DEEDS

RECORDED APRIL 20, 1979, IN BOOK 5372, PAGE 644, AND JUNE 7, 1979, IN BOOK 5408, PAGE 811 OF OFFICIAL RECORDS.

SAID LAND IS ALSO KNOWN AS PARCEL 1 ON ATTACHED TO LOT LINE ADJUSTMENT/PARCEL MERGER LD-376A, RECORDED AUGUST 1, 1995 AS INSTRUMENT NO. 95-89977, OFFICIAL RECORDS.

PARCEL ID: 229-0-010-505

APPLICANT:

**dish**  
wireless.

5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

ENGINEER:

**Eukon**  
an SFC Communications, Inc. Company

65 POST, SUITE 1000  
IRVINE, CA 92618

TEL: (949) 553-8566

www.eukongroup.com

DRAWN BY:

DH

CHECKED BY:

PD

| REVISIONS: |          |                  |      |
|------------|----------|------------------|------|
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|            |          |                  |      |
|            |          |                  |      |
| 0          | 01/20/22 | TITLE/DESIGN (C) | (CK) |
| A          | 08/12/21 | PRELIMINARY      | (DH) |
| REV        | DATE     | DESCRIPTION      |      |



ambit consulting

428 MAIN STREET  
SUITE 206  
HUNTINGTON BEACH, CA 92648  
PH. (480) 659-4072  
www.ambitconsulting.us

PROJECT INFORMATION:

LALALX02001C

740 VENTURA BLVD.  
CAMARILLO, CA 93010

VENTURA COUNTY

SHEET TITLE:

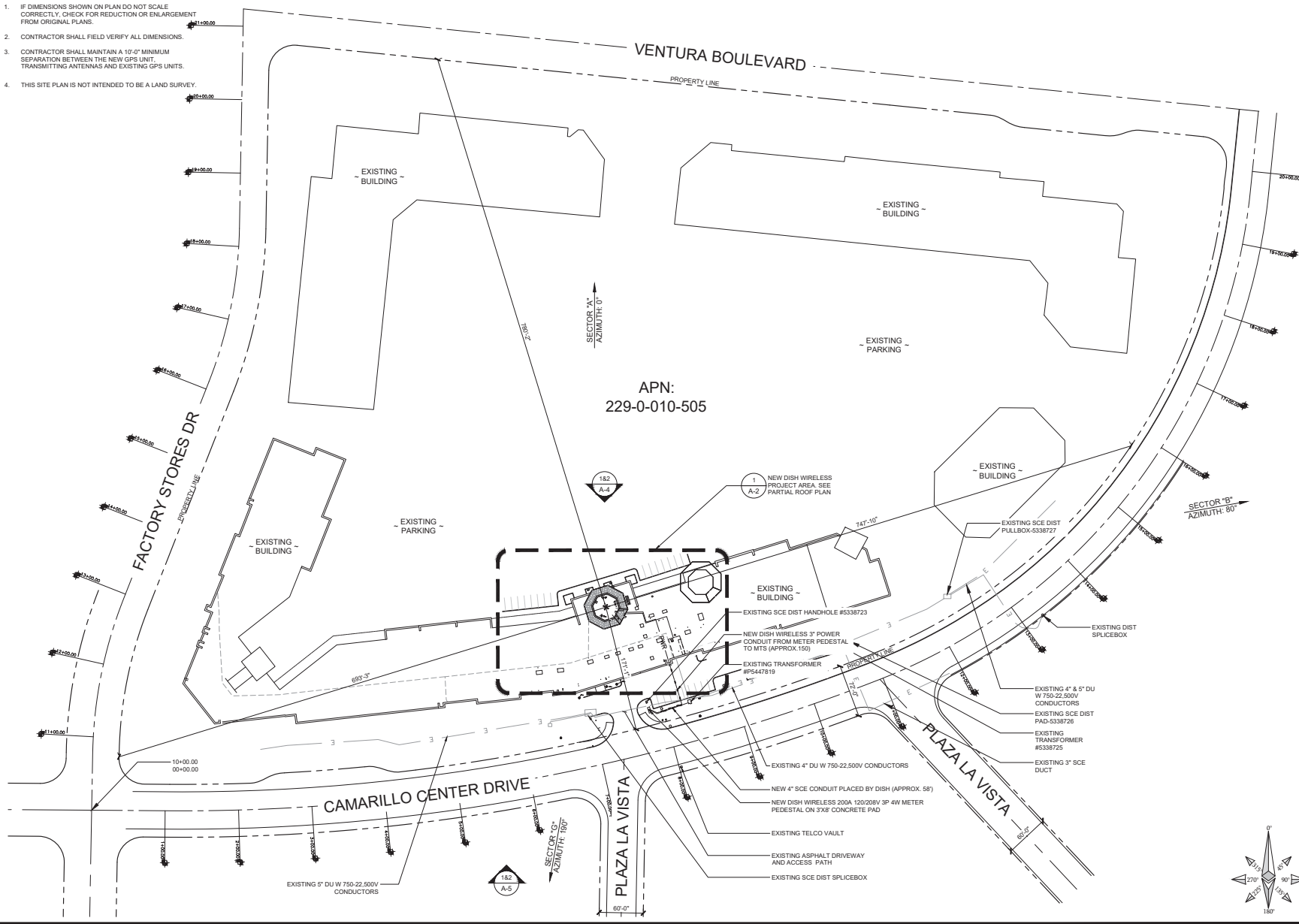
NOTES

SHEET NUMBER:

**LS-3**

NOTES:

1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
3. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE NEW GPS UNIT TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
4. THIS SITE PLAN IS NOT INTENDED TO BE A LAND SURVEY.



SITE PLAN



16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606



65 POST, SUITE 1000  
IRVINE, CA 92618  
TEL: (949) 553-8566  
[www.eukongroup.com](http://www.eukongroup.com)



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
|-----------|-----------------------|-----------------|
| JY        | GD                    | RB              |

RFDS REV #: 0

CONSTRUCTION DRAWINGS

| REV | DATE     | SUBMITTALS                 |
|-----|----------|----------------------------|
| 0   | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
| 1   | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
| 2   | 01/13/23 | 100% CONSTRUCTION DRAWINGS |
| 3   | 01/26/23 | DRM COMMENTS               |
| 4   | 03/15/23 | DRM COMMENTS               |
| 5   | 04/12/23 | EME REPORT                 |
| 6   | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION  
**CAMARILLO OUTLETS**  
**LALAX02001C**  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

**SITE PLAN**

SHEET NUMBER

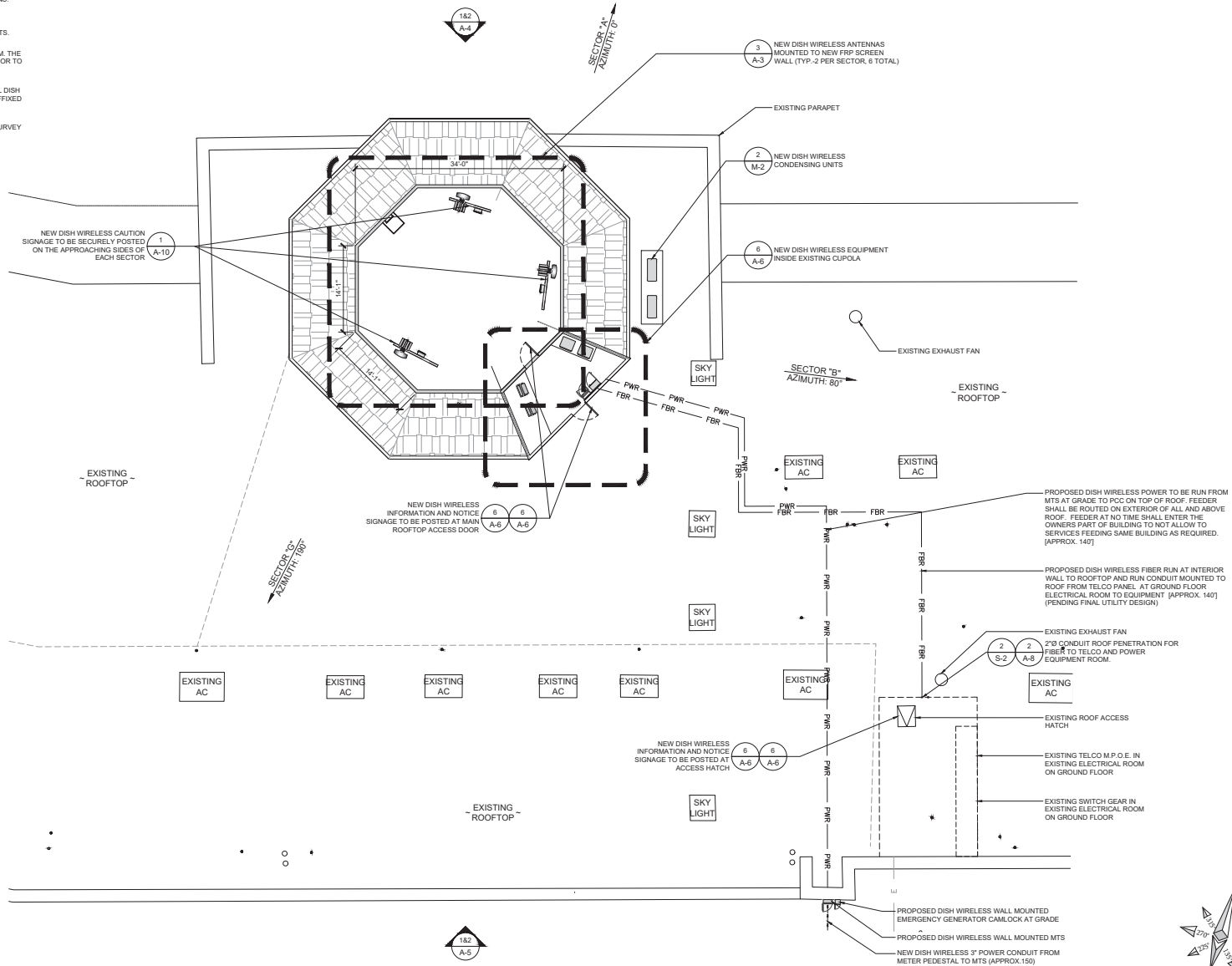
**A-1**





NOTES:

1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
3. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE NEW GPS UNIT TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
4. CONTRACTOR TO VERIFY WITH DISH WIRELESS C.M. THE LOCATION OF THE POWER AND FIBER SOURCE PRIOR TO CONSTRUCTION.
5. UTILITY RUBBER MAT TO BE INSTALLED UNDER ALL DISH WIRELESS EQUIPMENT THAT IS RESTING ON OR AFFIXED TO ROOF MEMBRANE.
6. THIS SITE PLAN IS NOT INTENDED TO BE A LAND SURVEY



PARTIAL ROOF PLAN



16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606



65 POST, SUITE 1000  
IRVINE, CA 92618  
TEL: (949) 553-8566  
[www.eukongroup.com](http://www.eukongroup.com)



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
|-----------|-----------------------|-----------------|
| JY        | GD                    | RB              |

RFDS REV #: 0

CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
| 1          | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
| 2          | 01/13/23 | 100% CONSTRUCTION DRAWINGS |
| 3          | 01/26/23 | DRM COMMENTS               |
| 4          | 03/15/23 | DRM COMMENTS               |
| 5          | 04/12/23 | EME REPORT                 |
| 6          | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION

CAMARILLO OUTLETS  
LALAX02001C

740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

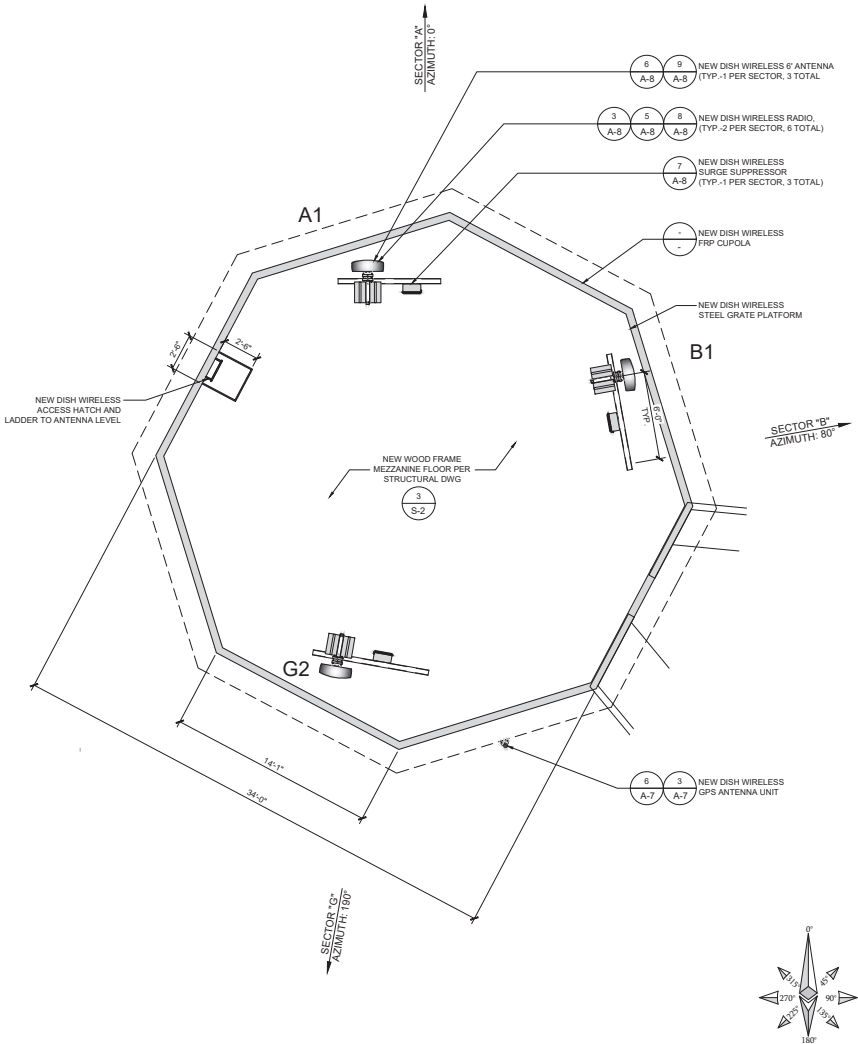
PARTIAL ROOF PLAN

SHEET NUMBER

A-2

NOTES:

1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
3. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.
4. NO FRP STRUCTURAL CROSS MEMBERS SHALL TRANSITION ACROSS ANTENNA FACES IN ALL LOCATIONS.



NOT USED

| SECTOR | POSITION | ANTENNA                     |                             |            |                             |                    |   | TRANSMISSION CABLE |            |
|--------|----------|-----------------------------|-----------------------------|------------|-----------------------------|--------------------|---|--------------------|------------|
|        |          | EXISTING OR NEW             | MANUFACTURER - MODEL NUMBER | TECHNOLOGY | SIZE (HxWxD)                | AZIMUTH            | RAD CENTER  | MECH. TILT         | ELEC. TILT |
| ALPHA  | A1       | NEW                         | CELLMAX - CX12044x          | NR (8FT)   | 72.4" x 26.7" x 7.7"        | 0°                 | 42'-10"   | --                 | --         |
|        | A2       | --                          | --                          | --         | --                          | --                 | --  | --                 | --         |
|        | A3       | --                          | --                          | --         | --                          | --                 | --  | --                 | --         |
| BETA   | B1       | NEW                         | CELLMAX - CX12044x          | NR         | 72.4" x 26.7" x 7.7"        | 80°                | 42'-10"   | --                 | --         |
|        | B2       | --                          | --                          | --         | --                          | --                 | --  | --                 | --         |
|        | B3       | --                          | --                          | --         | --                          | --                 | --  | --                 | --         |
| GAMMA  | G1       | --                          | --                          | --         | --                          | --                 | --  | --                 | --         |
|        | G2       | NEW                         | CELLMAX - CX12044x          | NR         | 72.4" x 26.7" x 7.7"        | 190°               | 42'-10"   | --                 | --         |
|        | G3       | --                          | --                          | --         | --                          | --                 | --  | --                 | --         |
| SECTOR | POSITION | MICROWAVE DISH              |                             |            |                             | TRANSMISSION CABLE |   |                    |            |
|        |          | EXISTING OR NEW             | MANUFACTURER - MODEL NUMBER | TECHNOLOGY | DIAMETER                    | AZIMUTH            | RAD CENTER  | MECH. TILT         | ELEC. TILT |
| SECTOR | POSITION | RRH                         |                             |            | OVP JUNCTION BOX            |                    | NOTES:  |                    |            |
|        |          | MANUFACTURER - MODEL NUMBER | TECHNOLOGY                  | QUANTITY   | MANUFACTURER - MODEL NUMBER |                    |   |                    |            |
| ALPHA  | A1       | SAMSUNG RF4451D-70A         | N71                         | 1          | RAYCAP - RDICD-9181-PF-48   |                    | 1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.<br><br>2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE NEW DESIGN AND STRUCTURAL ANALYSES.<br><br>3. NO FRP STRUCTURAL CROSS MEMBERS SHALL TRANSITION ACROSS ANTENNA FACES IN ALL LOCATIONS. |                    |            |
|        | A2       | SAMSUNG RF4450T-71A         | N66 / N70                   | 1          |                             |                    |   |                    |            |
|        | A3       | --                          | --                          | --         |                             |                    |   |                    |            |
| BETA   | B1       | SAMSUNG RF4451D-70A         | N71                         | 1          | RAYCAP - RDICD-9181-PF-48   |                    |   |                    |            |
|        | B2       | SAMSUNG RF4450T-71A         | N66 / N70                   | 1          |                             |                    |   |                    |            |
|        | B3       | --                          | --                          | --         |                             |                    |   |                    |            |
| GAMMA  | G1       | SAMSUNG RF4451D-70A         | N71                         | 1          | RAYCAP - RDICD-9181-PF-48   |                    |   |                    |            |
|        | G2       | SAMSUNG RF4450T-71A         | N66 / N70                   | 1          |                             |                    |   |                    |            |
|        | G3       | --                          | --                          | --         |                             |                    |   |                    |            |



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SUITE 200  
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|           |                       |                 |
|-----------|-----------------------|-----------------|
| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
| JY        | GD                    | RB              |

RFDS REV #: 0

CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
| 1          | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
| 2          | 01/13/23 | 100% CONSTRUCTION DRAWINGS |
| 3          | 01/26/23 | DRM COMMENTS               |
| 4          | 03/15/23 | DRM COMMENTS               |
| 5          | 04/12/23 | EME REPORT                 |
| 6          | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION  
**CAMARILLO OUTLETS**  
**LALAX02001C**  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE  
**ANTENNA PLAN AND SCHEDULE**

SHEET NUMBER  
**A-3**

ANTENNA PLAN



ANTENNA SCHEDULE



NOTES:

1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
3. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE NEW GPS UNIT TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.



EXISTING NORTH ELEVATION

SCALE 1/8"=1'-0" 0 4 8 16 32 2



NEW NORTH ELEVATION

SCALE 1/8"=1'-0" 0 4 8 16 32 1

**dish**  
wireless.

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IRVINE, CA 92606

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an SFC Communications, Inc. Company

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| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
|-----------|-----------------------|-----------------|
| JY        | GD                    | RB              |

RFDS REV #: 0

CONSTRUCTION  
DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
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| 6          | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION  
**CAMARILLO OUTLETS**  
**LALAX02001C**  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

**ELEVATIONS**

SHEET NUMBER

**A-4**

NOTES:

1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
3. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE NEW GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.

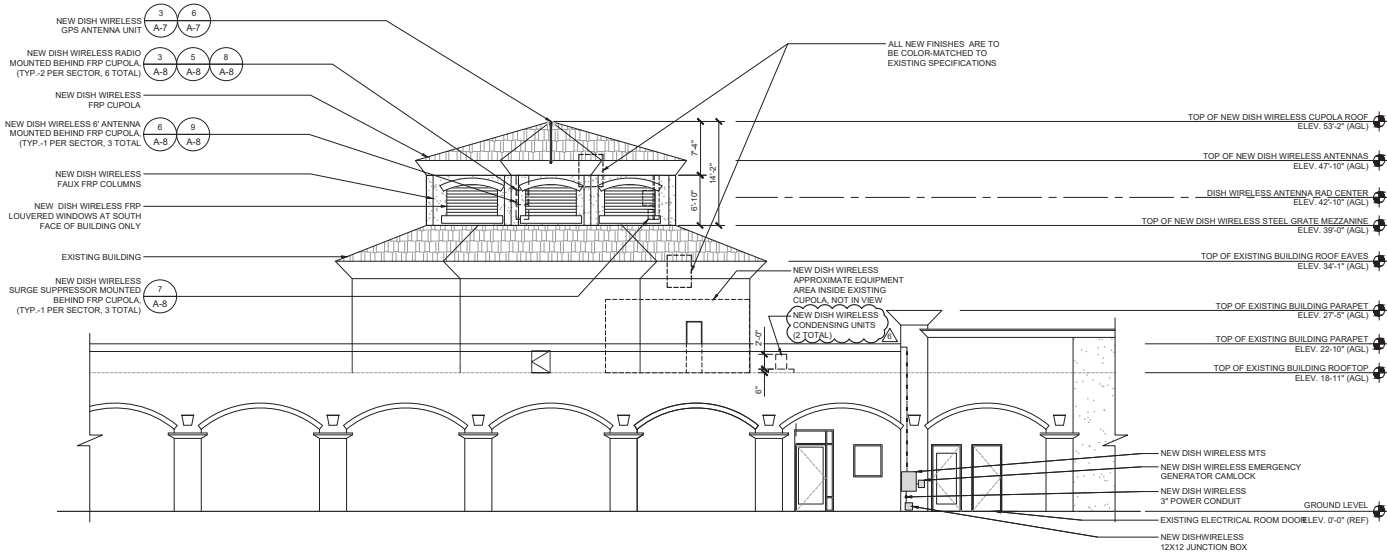


EXISTING SOUTH ELEVATION

SCALE 1/8"=1'-0" 0 4 8 16 32 2

NOTE:

1. THE POWER CONDUIT WILL BE CONCEALED WITHIN THE BUILDING.



NEW SOUTH ELEVATION

SCALE 1/8"=1'-0" 0 4 8 16 32 1



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| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
|-----------|-----------------------|-----------------|
| JY        | GD                    | RB              |

RFDS REV #: 0

CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
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| 5          | 04/12/23 | EME REPORT                 |
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DISH WIRELESS PROJECT INFORMATION  
**CAMARILLO OUTLETS**  
**LALAX02001C**  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

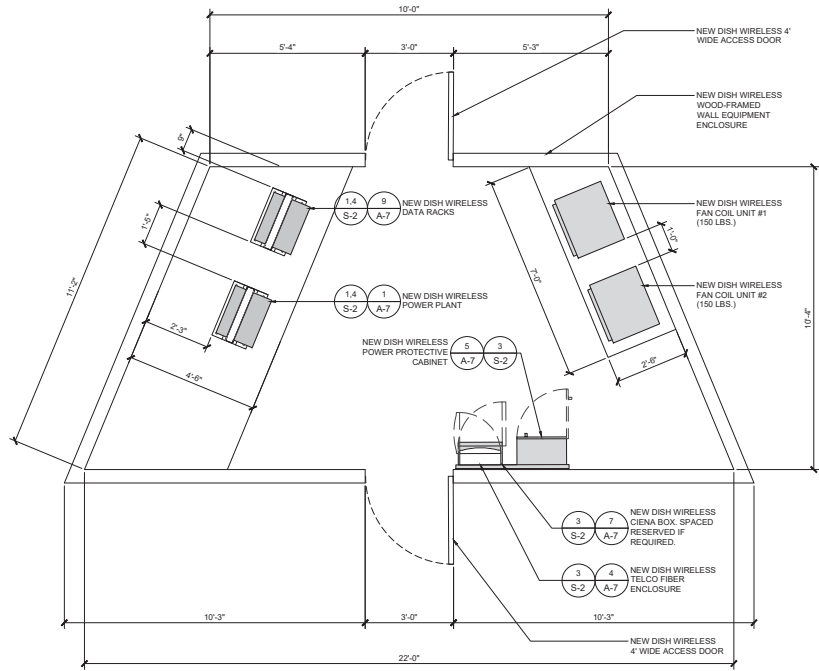
SHEET TITLE

**ELEVATIONS**

SHEET NUMBER

**A-5**

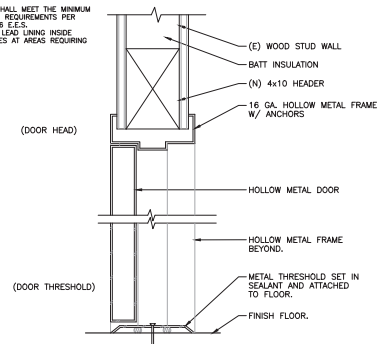
EUKON DISH TEMPLATE 06-07-21-21



EQUIPMENT PLAN

SCALE 1/2"=1'-0"

NOTES:  
1. DOORS SHALL MEET THE MINIMUM INSULATION REQUIREMENTS PER SECTION 116 E.E.S.  
2. PROVIDE LEAD LINING INSIDE DOOR FRAMES AT AREAS REQUIRING IT.

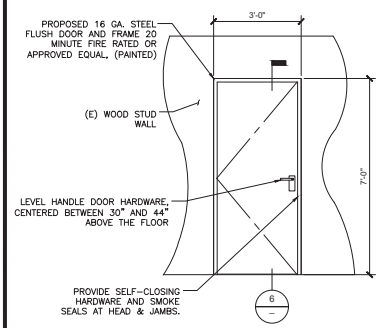


NOT USED

SCALE NONE

DOOR DETAIL

SCALE NONE



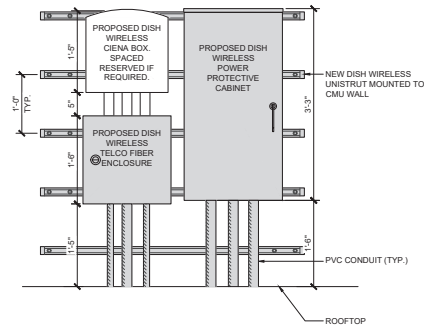
NOT USED

SCALE NONE

FIRE RATED WALL

SCALE NONE

NOTE:  
1. EQUIPMENT CABINET OMITTED FOR CLARITY.



WALL EQUIPMENT ELEVATION

SCALE 1"=1'-0"



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|           |                       |                 |
|-----------|-----------------------|-----------------|
| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
| JY        | GD                    | RB              |

RFDS REV #: 0

### CONSTRUCTION DRAWINGS

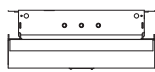
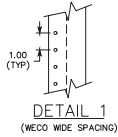
| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
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DISH WIRELESS PROJECT INFORMATION  
**CAMARILLO OUTLETS**  
**LALAX02001C**  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

### SHEET TITLE EQUIPMENT PLAN AND DETAILS

SHEET NUMBER

**A-6**

VIEW A-A  
(TOP VIEW)DETAIL 1  
(WECO WIDE SPACING)

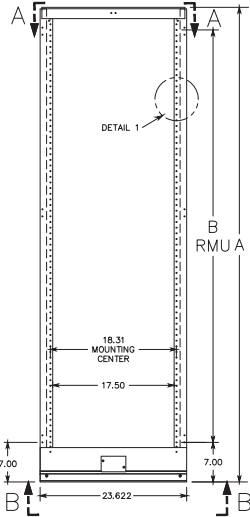
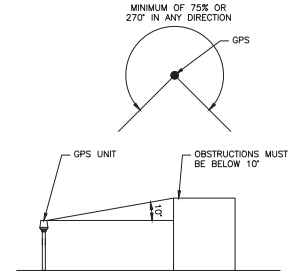
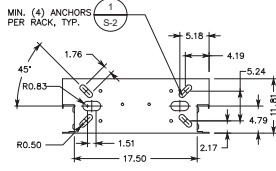
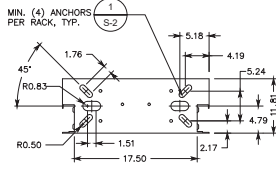
NOTES: (UNLESS OTHERWISE SPECIFIED)

1. DIMENSIONS ARE IN INCHES
2. DIMENSIONS ARE FOR REFERENCE ONLY
3. EQUIPPED WITH WRIST GROUND STRAP CONNECTION POINTS.
4. THIS RACK INCLUDES THE FOLLOWING:
  - JUNCTION HARDWARE KIT
  - SHM KIT
  - STATIC KIT
  - V-BOLT KIT (INCLUDED ONLY WITH RACKS WITH TOP ANGLE)
  - 2" GUARD RAIL, OVER W/AC CUTOUT
5. RACKS GREATER THAN 8'-0" DO NOT BENEFIT FROM HAVING HEAVY GUAGE UPRIGHTS AND GUSSETS, AS THEY ARE ALSO SUPPORTED AT THE TOP DURING INSTALLATION. RACKS 7'-0" TO 8'-0" ARE FLOOR SUPPORTED ONLY.

| PART NO | A      | B  |
|---------|--------|----|
| KW204F  | 108.00 | 49 |
| KW205F  | 138.00 | 64 |
| KW221F  | 64.00  | 37 |

• TELEC STANDARD

WEIGHT CAPACITY: 450lbs

VIEW B-B  
(BOTTOM VIEW)

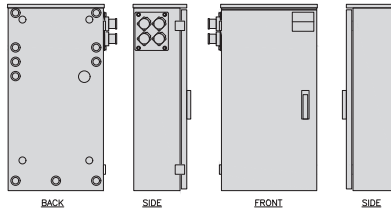
GPS MINIMUM SKY VIEW REQUIREMENTS

## GPS REQUIREMENTS

SCALE  
NONE

6

| RAYCAP PPC<br>RDIAC-2465-P-240-MTS |                      |
|------------------------------------|----------------------|
| ENCLOSURE DIMENSIONS (HxWxD):      | 39"x22.855"x12.593   |
| WEIGHT:                            | 80 lbs               |
| OPERATING AC VOLTAGE               | 240/120 1 PHASE 3W+G |



BACK

SIDE

FRONT

SIDE

## GPS ANTENNA

SCALE  
NONE

3

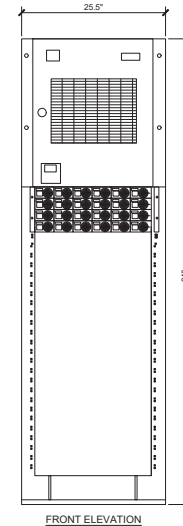
## VERTIV NETSURE 721 - INDOOR POWER PLANT RACK

## TECHNICAL SPECIFICATIONS:

NOMINAL SYSTEM VOLTAGE: -48 VDC (ACU+)  
 CONTROL SYSTEM: 4000 AMPS AT -48VDC  
 500 AMPS AT +24VDC  
 1500 AMPS AT -48 VDC  
 BAY: 500 AMPS AT +24VDC  
 250 AMPS AT -48 VDC  
 SHELF: 187.5 AMPS AT +24 VDC  
 200 WATTS  
 RECTIFIER: 600 AMPS AT -48 VDC  
 CONVERTER: 500 AMPS AT +24 VDC  
 DISTRIBUTION PANEL:

## ENVIRONMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE: -40°F-104°F  
 (40°C-40°C) [CONTINUOUS OPERATION]  
 STORAGE: -40°F-104°F  
 (40°C-40°C) [CONTINUOUS OPERATION]  
 HUMIDITY: 0%-65% RELATIVE  
 VENTILATION: RECTIFIERS/CONVERTERS ARE FAN COOLED

NOTE:  
NETSURE 721 POWER SYSTEM BY  
VERTIV OR APPROVED EQUIVAL.

FRONT ELEVATION

## INDOOR DATA RACK

SCALE  
NONE

9

## POWER PROTECTION CABINET

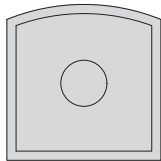
SCALE  
NONE

5

| CIENA 3931<br>SERVICE DELIVERY SWITCH |                                   |
|---------------------------------------|-----------------------------------|
| DIMENSIONS (HxWxD)                    | 17.0"x16.8"x7.0"<br>431x427x178mm |
| WEIGHT                                | 28.6 LBS/13.0 KG                  |
| POWER INPUT                           | 60W MAX                           |



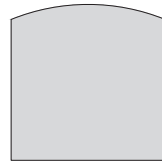
PLAN



FRONT



SIDE

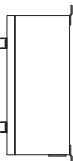


BACK

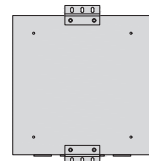
| CHARLES CFIT-PF2020DSH1<br>FIBER TELCO ENCLOSURE |            |
|--|------------|
| ENCLOSURE DIMS (HxWxD)                           | 20"x20"x9" |
| ENCLOSURE WEIGHT                                 | 20 lbs     |
| MOUNTING   | WALL       |
| COMPLIANCE                                       | TYPE 4     |



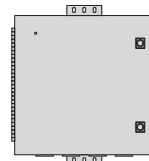
FRONT



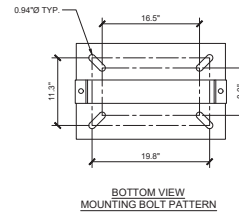
SIDE



BACK



FRONT

BOTTOM VIEW  
MOUNTING BOLT PATTERN

## CIENA

SCALE  
NONE

7

## TELCO FIBER ENCLOSURE

SCALE  
NONE

4

## INDOOR POWER PLANT RACK

SCALE  
NONE

1

**dish**  
wireless.

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| DRAWN BY: | UTILITIES<br>CHECKED BY: | A/E<br>CHECKED BY: |
|-----------|--------------------------|--------------------|
| JY        | GD                       | RB                 |

RFDS REV #: 0

CONSTRUCTION  
DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
| 1          | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
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## DISH WIRELESS PROJECT INFORMATION

CAMARILLO OUTLETS  
LALAX02001C

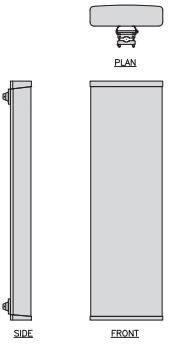
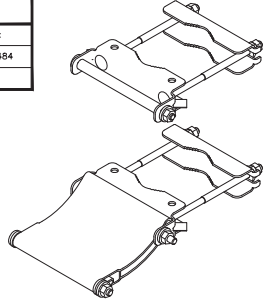
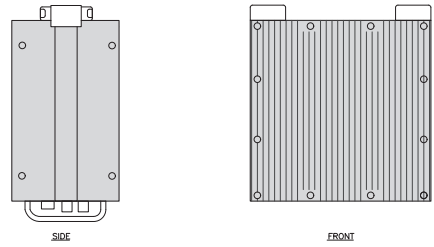


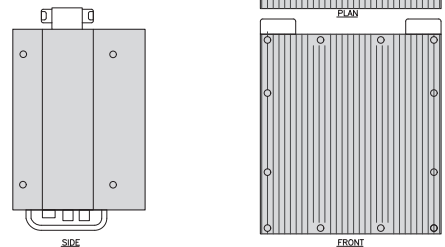
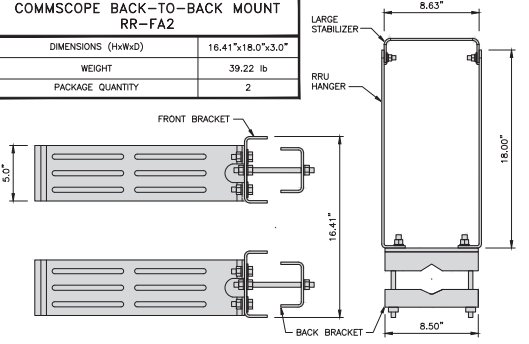
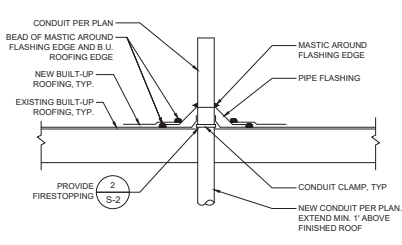

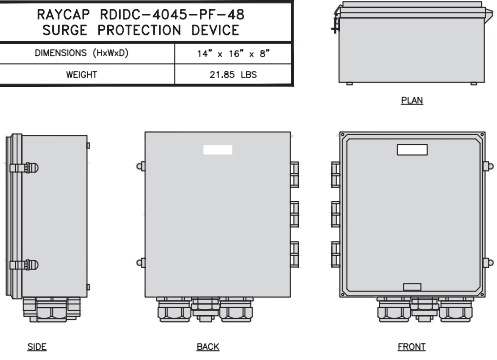
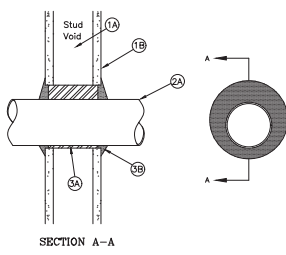
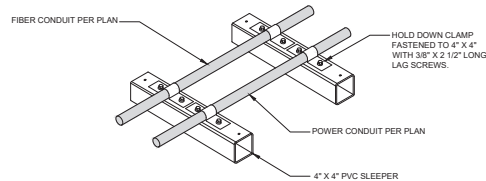
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

## EQUIPMENT DETAILS

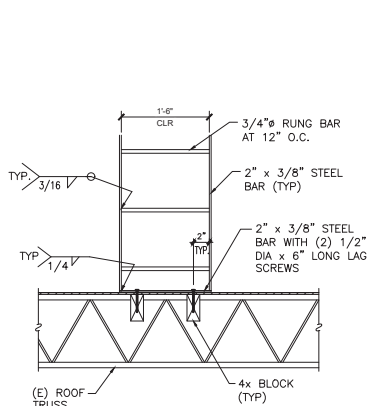
SHEET NUMBER

A-7

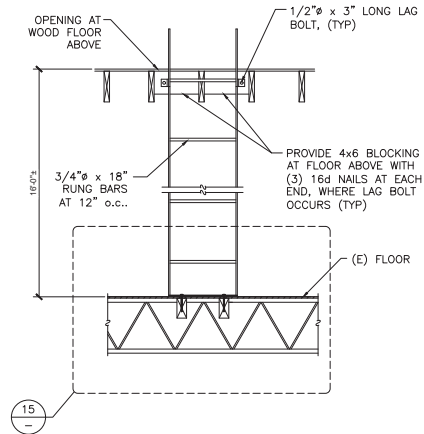
| <table border="1"><thead><tr><th colspan="2">CELLMAX 12044x<br/>CMA-UBTULBULBHH/6516/16/21/21</th></tr></thead><tbody><tr><td>DIMENSIONS (HxWxD)(MM/IN)</td><td>1840x680x198<br/>72.4"x26.7"x7.7"</td></tr><tr><td>CONNECTORS</td><td>8 x 4.3-10 FEMALE</td></tr><tr><td>WEIGHT (kg/lb)</td><td>48/105</td></tr><tr><td>WEIGHT WITH BRACKETS (kg/lb)</td><td>53/116</td></tr></tbody></table>  <p>SIDE FRONT</p> | CELLMAX 12044x<br>CMA-UBTULBULBHH/6516/16/21/21    |                            | DIMENSIONS (HxWxD)(MM/IN)  | 1840x680x198<br>72.4"x26.7"x7.7" | CONNECTORS            | 8 x 4.3-10 FEMALE       | WEIGHT (kg/lb)   | 48/105  | WEIGHT WITH BRACKETS (kg/lb)  | 53/116                                 | <table border="1"><thead><tr><th colspan="2">CELLMAX ANTENNA BRACKET</th></tr></thead><tbody><tr><td>ANTENNAS</td><td>12044x / 12045x</td></tr><tr><td>BRACKET PART #</td><td>CA325482 / CA325484</td></tr><tr><td>TILT BRACKET WEIGHT</td><td>6.61 lbs</td></tr></tbody></table>  <p>NOTE:<br/>OR DISH Wireless L.L.C.<br/>APPROVED EQUIVALENT</p> | CELLMAX ANTENNA BRACKET |                   | ANTENNAS | 12044x / 12045x | BRACKET PART #   | CA325482 / CA325484 | TILT BRACKET WEIGHT  | 6.61 lbs  | <table border="1"><thead><tr><th colspan="2">SAMSUNG<br/>RF4451D-70A</th></tr></thead><tbody><tr><td>DIMENSIONS (HxWxD) (KG/IN)</td><td>380x380x227/14.9"x14.9"x8.9"</td></tr><tr><td>WEIGHT(KG,LB)/ VOLUME</td><td>27.8kg, 61.3lb (32.8L)</td></tr><tr><td>POWER SUPPLY</td><td>-48 V DC(-36 TO -58 V DC)</td></tr></tbody></table>  <p>SIDE FRONT</p> | SAMSUNG<br>RF4451D-70A |                 | DIMENSIONS (HxWxD) (KG/IN) | 380x380x227/14.9"x14.9"x8.9" | WEIGHT(KG,LB)/ VOLUME | 27.8kg, 61.3lb (32.8L) | POWER SUPPLY | -48 V DC(-36 TO -58 V DC) | <div><p>16812 ARMSTRONG AVE<br/>SUITE 200<br/>IRVINE, CA 92606</p></div> <div><p>an SFC Communications, Inc. Company</p><p>65 POST, SUITE 1000<br/>IRVINE, CA 92618<br/>TEL: (949) 553-8566<br/><a href="http://www.eukongroup.com">www.eukongroup.com</a></p></div> |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
|---|--|----------------------------|----------------------------|----------------------------------|-----------------------|-------------------------|--|---|---|--|---|-------------------------|-------------------|----------|-----------------|------------------|---------------------|--|---|--|------------------------|-----------------|----------------------------|------------------------------|-----------------------|------------------------|--------------|---------------------------|--|----------|---------------------------|---|----------|----------------------------|---|----------|----------------------------|---|----------|--------------|---|----------|--------------|---|----------|------------|---|----------|---------------------|
| CELLMAX 12044x<br>CMA-UBTULBULBHH/6516/16/21/21   |  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| DIMENSIONS (HxWxD)(MM/IN)   | 1840x680x198<br>72.4"x26.7"x7.7"                   |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| CONNECTORS  | 8 x 4.3-10 FEMALE                                  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| WEIGHT (kg/lb)  | 48/105   |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| WEIGHT WITH BRACKETS (kg/lb)  | 53/116   |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| CELLMAX ANTENNA BRACKET   |  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| ANTENNAS  | 12044x / 12045x                                    |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| BRACKET PART #  | CA325482 / CA325484                                |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| TILT BRACKET WEIGHT   | 6.61 lbs   |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| SAMSUNG<br>RF4451D-70A  |  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| DIMENSIONS (HxWxD) (KG/IN)  | 380x380x227/14.9"x14.9"x8.9"                       |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| WEIGHT(KG,LB)/ VOLUME   | 27.8kg, 61.3lb (32.8L)                             |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| POWER SUPPLY  | -48 V DC(-36 TO -58 V DC)                          |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| ANTENNA   | ANTENNA MOUNTING                                   | REMOTE RADIO HEAD          |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
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| SAMSUNG<br>RF4450T-71A  |  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| DIMENSIONS (HxWxD) (KG/IN)  | 380x420x280/14.9"x14.9"x8.9"                       |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| WEIGHT(KG,LB)/ VOLUME   | 37.8kg, 85.51lb (44.7L)                            |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| POWER SUPPLY  | -48 V DC(-36 TO -58 V DC)                          |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| COMMSCOPE BACK-TO-BACK MOUNT<br>RR-FA2  |  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| DIMENSIONS (HxWxD)  | 16.41"x18.0"x3.0"                                  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| WEIGHT  | 39.22 lb   |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| PACKAGE QUANTITY  | 2  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| DRAWN BY:   | UTILITIES CHECKED BY:                              | A/E CHECKED BY:            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| JY  | GD   | RB                         |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| REV   | DATE   | DESCRIPTION                |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 0   | 12/07/22   | 90% CONSTRUCTION DRAWINGS  |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 1   | 12/27/22   | 100% CONSTRUCTION DRAWINGS |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 2   | 01/13/23   | 100% CONSTRUCTION DRAWINGS |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 3   | 01/26/23   | DRM COMMENTS               |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 4   | 03/15/23   | DRM COMMENTS               |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 5   | 04/12/23   | EME REPORT                 |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 6   | 04/18/23   | PLAN CHECK COMMENTS        |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| REMOTE RADIO HEAD   | REMOTE RADIO MOUNT                                 | CONDUIT PENETRATION        |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| <table border="1"><thead><tr><th colspan="2">RAYCAP RDIDC-4045-PF-48<br/>SURGE PROTECTION DEVICE</th></tr></thead><tbody><tr><td>DIMENSIONS (HxWxD)</td><td>14" x 16" x 8"</td></tr><tr><td>WEIGHT</td><td>21.85 LBS</td></tr></tbody></table>  <p>SIDE BACK FRONT</p>  | RAYCAP RDIDC-4045-PF-48<br>SURGE PROTECTION DEVICE |                            | DIMENSIONS (HxWxD)         | 14" x 16" x 8"                   | WEIGHT                | 21.85 LBS               | <p>METAL/WOOD STUD WALL ASSEMBLY</p> <p>1. WALL ASSEMBLY - UL U300 OR U400 SERIES DESIGN<br/>1A. WOOD STUDS MIN. 2 x 4 IN. NOMINAL AT A MAX. 16 IN. ON CENTER OR STEEL STUDS MIN. 2 x 3 IN. NOMINAL AT A MAX. 24 IN. ON CENTER.<br/>1B. ONE LAYER OF GYPSUM WALLBOARD CAPABLE OF PROVIDING A 1 HR. RATING OR TWO LAYERS OF GYPSUM WALLBOARD CAPABLE OF PROVIDING A 2 HR. RATING. MAX. DIAMETER OF PENETRATED OPENING FOR STEEL FRAMING IS 24-5/8 IN. AND A MAX. DIAMETER OF PENETRATED OPENING FOR WOOD FRAMING IS 14-1/2 IN.</p> <p>2. PENETRANT<br/>2A. ONE OF THE FOLLOWING MAY BE USED:<br/>I. MAX. 24 IN. STEEL PIPE.<br/>II. MAX. 24 IN. IRON PIPE.<br/>III. MAX. 6 IN. STEEL CONDUIT OR MAX. 4 IN. EMT.<br/>IV. MAX. 6 IN. COPPER PIPE OR TUBING.<br/>ANNULAR SPACE - MIN. 1/8 IN. TO MAX. 1/2 IN.</p> <p>3. FIRESTOPPING - FLAMESAFE FS 1900 SERIES SEALANT.<br/>3A. MINERAL WOOL BACKING (4 PCF) FILLED TO DEPTH OF WALL SPACE.<br/>3B. APPLY FS 1900 INTO ANNULAR SPACE TO A DEPTH OF 1/4 IN. FOR A 1 HR. ASSEMBLY ADD A 1/2 IN. CROWN AND OVERLAP THE WALLBOARD 1/2 IN. FOR A 2 HR. ASSEMBLY ADD A 1/4 IN. CROWN AND OVERLAP THE WALLBOARD 1/4 IN.</p> <p>FIRESTOP ASSEMBLY<br/>PRODUCT: FLAMESAFE FS 1900 SERIES SEALANT<br/>F RATING: 1 &amp; 2 HOUR<br/>UL SYSTEM: WL1089<br/>GRACE DWG # WL1089</p>  <p>SECTION A-A</p> | <p>NOTE:<br/>1. 4" X 4" X 12" SLEEPER. INSTALL EVERY 6'-0" WHEN MOUNT ON ROOF. SET IN ROOFING TAR TO PREVENT MOVEMENT.</p>  <p>FIBER CONDUIT PER PLAN<br/>HOLD DOWN CLAMP FASTENED TO 4" X 4" WITH 5/8" X 2 1/2" LONG LAG SCREWS.<br/>POWER CONDUIT PER PLAN<br/>4" X 4" PVC SLEEPER</p> | <div>DISH WIRELESS PROJECT INFORMATION</div> <div>CAMARILLO OUTLETS<br/>LALAX02001C<br/>740 VENTURA BLVD. STE. 502<br/>CAMARILLO, CA 93010</div> <div>SHEET TITLE</div> <div>EQUIPMENT DETAILS</div> <div>SHEET NUMBER</div> <div>A-8</div>   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| RAYCAP RDIDC-4045-PF-48<br>SURGE PROTECTION DEVICE  |  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| DIMENSIONS (HxWxD)  | 14" x 16" x 8"                                     |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| WEIGHT  | 21.85 LBS  |                            |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| SURGE PROTECTION DEVICE   | FIRESTOP AT METAL/WOOD                             | ROOF MOUNTED CONDUIT       |                            |                                  |                       |                         |  |   |   |  |   |                         |                   |          |                 |                  |                     |  |   |  |                        |                 |                            |                              |                       |                        |              |                           |  |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |



NOTES:  
1. NO FIELD WELDING. ALL SHOP WELDING. PROVIDE CERTIFICATIONS.



NOTES:  
1. NO FIELD WELDING. ALL SHOP WELDING. PROVIDE CERTIFICATIONS.



LADDER ANCHORAGE

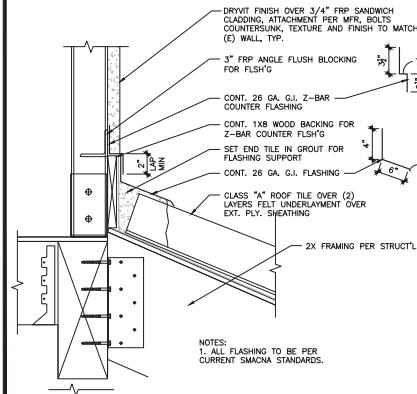
SCALE  
NONE

15

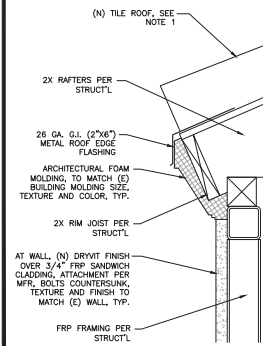
STEEL LADDER

SCALE  
NONE

11



NOTES:  
1. ALL FLASHING TO BE PER CURRENT SMACNA STANDARDS.



NOTES:  
1. ALL (N) SLOPED ROOF TO BE CLASS 'A' ROOF TILE, BRAVA SPANISH CLASS A ROOF TILE, PER UL 790 AND ASTM E 108/04, OR EQUAL. INSTALL PER SECTION 1507.3, TABLE 1507.3.7 AND SECTION 1513, 2019 CBC. INSTALL OVER 1/2" THICK ROOF SHEATHING AND (2) LAYERS OF NO. 30 FELT (30# FELT) ROOF UNDERLAYMENT, AND IN ACCORDANCE WITH THE CODE, TYPICAL FOR ALL NEW ROOFING. MATCH (E) ROOF TILE COLOR AND STYLE.  
2. ALL FLASHING TO BE PER CURRENT SMACNA STANDARDS.

ROOF TO WALL FLASHING

SCALE  
NONE

13

EVE DETAIL

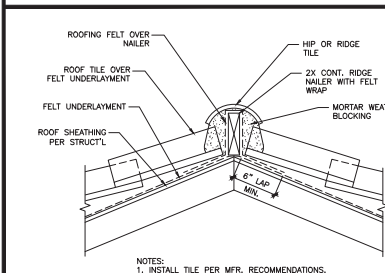
SCALE  
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9

BUILDING SECTION

SCALE  
NONE

2

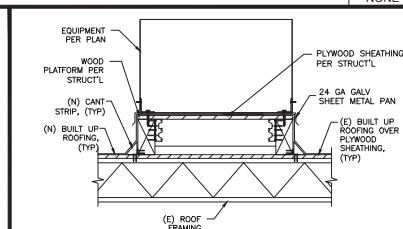


NOTES:  
1. INSTALL TILE PER MFR. RECOMMENDATIONS.

HIP/RIDGE DETAIL

SCALE  
NONE

5



NOTES:  
1. ALL AFFECTED ROOFING SHALL BE REPLACED WITH NEW CLASS 'A', ROOFING MEMBRANE ASSEMBLY.  
2. ALL FLASHING TO BE PER CURRENT SMACNA STANDARDS.  
3. LAP (N) ROOFING MIN. 18" PAST ROOF OPENING.  
4. CONTRACTOR TO USE OWNER'S ROOFER FOR ALL ROOF PENETRATION WATERPROOFING.

PLATFORM WATERPROOFING

SCALE  
NONE

1

**dish**  
wireless.

16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606

**Eukon**  
an SFC Communications, Inc. Company

65 POST, SUITE 1000  
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[www.eukongroup.com](http://www.eukongroup.com)



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

|           |           |     |
|-----------|-----------|-----|
| DRAWN BY: | UTILITIES | ASE |
| JY        | GD        | RB  |

RFDS REV #: 0

## CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
| 1          | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
| 2          | 01/13/23 | 100% CONSTRUCTION DRAWINGS |
| 3          | 01/26/23 | DRM COMMENTS               |
| 4          | 03/15/23 | DRM COMMENTS               |
| 5          | 04/12/23 | EME REPORT                 |
| 6          | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION

CAMARILLO OUTLETS

LALAX02001C


740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE  
**CONSTRUCTION DETAILS**

SHEET NUMBER

**A-9**

EUKON DISH TEMPLATE 05-07-21-21

|          |               |   |   |               |   |  |               |   |                  |               |   |   |  |
|----------|---------------|---|---|---------------|---|--|---------------|---|------------------|---------------|---|---|--|
|          |               |   | <div>NOTES:<br/>1. SIGN USED TO PROVIDE CONTACT INFORMATION FOR ANY QUESTIONS OR CONCERNS FOR PERSONNEL ACCESSING THE SITE.<br/>2. GC TO SECURELY POST SIGN AT THE MAIN ACCESS DOOR AND EVERY POINT OF ACCESS TO THE SITE IN A MANNER CONSPICUOUS TO ALL INDIVIDUALS ENTERING THE SITE.</div> <div><div>○</div><div><b>INFORMATION</b></div><div>This is an access point to an area with transmitting antennas. Obey all signs and barriers beyond this point. Call the DISH NOC at 1-866-624-6874 for more information.<br/>○ Site ID: LALAX02001C ○</div></div> |               |   |  |               |   |                  |               |   |   |  |
| NOT USED | SCALE<br>NONE | 8 | NOT USED  | SCALE<br>NONE | 6 | NOT USED   | SCALE<br>NONE | 4 | INFORMATION SIGN | SCALE<br>NONE | 2 |   |  |
|          |               |   |   |               |   | <div>NOTES:<br/>1. INFORMATIONAL SIGN USED TO NOTIFY WORKERS THAT THERE ARE ACTIVE ANTENNAS INSTALLED AND PROVIDE GUIDELINES FOR WORKING IN RF ENVIRONMENTS.<br/>2. GC TO SECURELY POST SIGN AT THE MAIN ROOFTOP ACCESS DOOR AND EVERY POINT OF ACCESS TO THE SITE IN A MANNER CONSPICUOUS TO ALL INDIVIDUALS ENTERING THE SITE.</div> <div><div>▲</div><div><b>NOTICE</b></div><div>GUIDELINES FOR WORKING IN RADIO FREQUENCY ENVIRONMENTS<br/>▲ All personnel should have electromagnetic energy (EME) awareness training.<br/>▲ All personnel entering this site must be authorized.<br/>▲ Obey all posted signs.<br/>▲ Assume all antennas are active.<br/>▲ Before working on antennas, notify owners and disable appropriate transmitters.<br/>▲ Maintain minimum 3 feet clearance from all antennas.<br/>▲ Do not stop in front of antennas.<br/>▲ Use personal RF monitors while working near antennas.<br/>▲ Never operate transmitters without shields during normal operation.<br/>○ ▲ Do not operate base station antenna in equipment room. ○</div></div> |               |   |                  |               |   | <div>NOTES:<br/>1. SIGN USED TO NOTIFY INDIVIDUALS THAT THEY ARE ENTERING A HOT SPOT WHERE EITHER THE GENERAL PUBLIC OR OCCUPATIONAL FCC'S MPE LIMIT IS OR COULD BE EXCEEDED.<br/>2. GC TO SECURELY POST SIGN ON THE APPROACHING SIDES OF THE ANTENNA SECTORS "A", "B" AND "C".</div> <div><div>○</div><div><b>CAUTION</b></div><div><br/><b>Beyond This Point you are entering a controlled area where RF emissions may exceed the FCC Occupational Exposure Limits.</b><br/><br/><b>Obey all posted signs and site guidelines for working in a RF environment.</b><br/><div><div>DISH 470278 1-1887-00</div><div><b>dish</b></div></div></div><div>○</div></div> |  |
| NOT USED | SCALE<br>NONE | 7 | NOT USED  | SCALE<br>NONE | 5 | NOTICE SIGN  | SCALE<br>NONE | 3 | CAUTION SIGN     | SCALE<br>NONE | 1 |   |  |



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|           |                          |                    |
|-----------|--------------------------|--------------------|
| DRAWN BY: | UTILITIES<br>CHECKED BY: | ASE<br>CHECKED BY: |
| JY        | GD                       | RB                 |

RFDS REV #: 0

CONSTRUCTION  
DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
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| 5          | 04/12/23 | EME REPORT                 |
| 6          | 04/18/23 | PLAN CHECK COMMENTS        |
|            |          |                            |
|            |          |                            |

DISH WIRELESS PROJECT INFORMATION  
**CAMARILLO OUTLETS**  
**LALAX02001C**  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE  
**SIGNAGE DETAILS**

SHEET NUMBER

**A-10**

GENERAL NOTES

ALL TRADES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST CALIFORNIA BUILDING CODE WITH AMENDMENTS AS ADOPTED BY THE LOCAL JURISDICTIONS, AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS WHICH ARE THESE NOTES AND SPECIFICATIONS WHICH ARE PROVIDED SEPARATELY.
2. BUILDING SHALL NOT BE OCCUPIED DURING REMODEL WORK WHERE:  
(A) THE BUILDING STRENGTH IS SUBSTANTIALLY WEAKENED AT ANY POINT DURING PLACED REMODEL WORK.  
(B) REQUIRED EYES ARE NOT AVAILABLE OR ARE OBSTRUCTED.  
(C) REQUIRED FIRE SAFETY DEVICES SUCH AS SPRINKLERS, STAND PIPE OR ALARM SYSTEMS ARE NOT OPERATIONAL.
3. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION, WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL, BY PROJECT ENGINEER OF RECORD.
4. CONCRETE, MASONRY, AND STRUCTURAL STEEL WORK SHALL BE INSPECTED BY AN INSPECTOR LICENSED BY THE LOCAL JURISDICTION.
5. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOOR OR ROOF. LOADS SHALL NOT EXCEED THE DESIGN LIVE LOAD WHICH IS:  
FLOORS 50 PSF (REDUCIBLE)  
ROOFS 20 PSF (REDUCIBLE)
6. CONTRACTOR SHALL ERECT NECESSARY BARRIERS, PROTECTION FENCES AND/OR CANOPIES PRIOR TO STARTING CONSTRUCTION.
7. NECESSARY PERMITS SHALL BE SECURED AND NECESSARY BARRIERS, PROTECTION FENCES AND/OR CANOPIES SHALL BE ERECTED ALONG WALKWAYS PRIOR TO STARTING CONSTRUCTION.
8. WORKMANSHIP SHALL NOT CAUSE DAMAGE TO EXISTING CONSTRUCTION.
9. ALL DEBRIS SHALL BE REMOVED FROM THE SITE, LEAVING THE SITE DAILY IN A BROOM-CLEAN CONDITION.
10. THE CONTRACTOR SHALL EXERT EVERY EFFORT TO PREVENT DUST AND CONSTRUCTION DEBRIS FROM CONTAMINATING THE WORK AREA. THESE EFFORTS SHALL INCLUDE BUT NOT BE LIMITED TO PROVIDING A DAILY CLEANUP OF THE CONSTRUCTION AREA AND PROVIDE PLASTIC SHEETING OVER EXISTING EQUIPMENT IF ANY. CONTRACTOR SHALL REFER TO THE PROJECT DETAILED SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS.
11. PATCH, REBUILD AND RESTORE CEILINGS, PARTITIONS, PLASTER, PAINT, FINISHES, ETC. DAMAGED OR DEMOLISHED DURING CONSTRUCTION ACTIVITY. REFINISH SURFACES TO MATCH ADJACENT FINISH. FOR CONTINUOUS SURFACES, REFINISH TO NEAREST INTERSECTION OR NATURAL BREAK. FOR AN ASSEMBLY, REFINISH ENTIRE UNIT. RESTORE WORK WITH NEW PRODUCTS.
12. PROVIDE PROTECTION FROM WEATHER AND DUST TO AREAS EXPOSED DUE TO CUTTING AND UNCOVERING OF EXISTING SURFACES.
13. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK.
14. ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS, SHALL BE BROUGHT TO THE ATTENTION OF EUKON GROUP BEFORE PROCEEDING WITH THE WORK INVOLVED.
15. SHOP DRAWINGS AND PROCEDURES REQUIRED BY THE SPECIFICATIONS AND GENERAL NOTES SHALL BE SUBMITTED TO EUKON GROUP FOR REVIEW TO WORKING DATES BEFORE START OF WORK REQUIRING APPROVALS.
16. REVIEW OF SHOP DRAWINGS BY STRUCTURAL ENGINEER IS ONLY FOR GENERAL CONFORMANCE WITH THE INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS AND SHALL NOT BE CONSTRUED AS ACCEPTING RESPONSIBILITY FOR SAFE CONSTRUCTION PRACTICES.
17. SHOP DRAWINGS ARE AN AID FOR THE FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS. THE CONTRACTOR'S RESPONSIBILITY ALSO INCLUDES BUT IS NOT LIMITED TO DIMENSIONS BEING CONFIRMED AND CORRELATED AT THE JOB SITE. EUKON GROUP SHALL BE NOTIFIED IN WRITING IF ANY DISCREPANCIES ARE FOUND.
18. NO CHANGES SHALL BE MADE TO THE DESIGN, UNLESS APPROVED BY THE ENGINEER OF RECORD. DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE REQUESTED IN WRITING PRIOR TO SUBMITTING SHOP DRAWINGS. APPROVED DEVIATIONS SHALL BE CLEARLY HIGHLIGHTED ON SHOP DRAWINGS SUBMITTED FOR REVIEW.
19. USE OF AN APPROVED ALTERNATE MATERIAL UNDER AN ICBO MUST INCORPORATE ALL THE SPECIFIED PROCEDURES, CONDITIONS, MATERIAL SPECIFICATIONS AND INSTALLATION INSTRUCTIONS ON THE PLANS.
20. THE OWNER SHALL RETAIN THE SERVICES OF A TESTING LABORATORY AND INSPECTION AGENCY AS SPECIFIED HEREIN AND AS REQUIRED BY THE CBC.

STRUCTURAL WOOD

1. ALL WOOD MEMBERS SHALL BE DOUGLAS FIR - LARCH #1 GRADE MARKED BY A RECOGNIZED GRADING AGENCY (WCLA, WPA, OR WCLU).
2. PLYWOOD SHEATHING SHALL BE DOUGLAS FIR CONFORMING TO "PRODUCT STANDARD PS1-95", AND SHALL BE GRADE MARKED BY APA.
3. CUTTING, NOTCHING OR DRILLING OF BEAMS OR JOISTS TO BE PERMITTED ONLY AS DETAILED OR APPROVED BY THE ENGINEER OF RECORD.
4. ALL BOLTS FOR WOOD CONNECTIONS SHALL BE A307, GRADE A.
5. CONNECTOR DESIGNATIONS REFER TO STRONG-TIE CONNECTORS BY SIMPSON COMPANY, BRELA, CALIFORNIA, UNLESS NOTED OTHERWISE. THE MINIMUM NAILING REQUIREMENTS ARE AS FOLLOWS:  
(A) USE COMMON WIRE NAILS FOR ALL CONNECTIONS, UNLESS NOTED OTHERWISE. SIMMER NAILS ARE NOT ALLOWED. USE HANGER MANUFACTURER FOR NAIL SIZES AND QUANTITY.  
(B) SHORT NAILS SHALL NOT BE USED TO NAIL CONNECTORS THROUGH PLYWOOD.
6. SILLS AND PLATES RESTING IN CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR. BOLTS SHALL BE 5/8" MINIMUM DIAMETER EMBEDDED AT LEAST 9 INCHES INTO THE CONCRETE OR MASONRY AND SPACED NOT MORE THAN 1 FEET APART. THERE SHALL BE A MINIMUM OF 2 BOLTS PER PIECE WITH 1 BOLT LOCATED WITHIN 9 INCHES OF EACH END OF EACH PIECE.
7. PREDRILL ALL HOLES FOR 20# NAILS AND LAG BOLTS.
8. BOLTS, HEADS AND NUTS BEARING ON WOOD SHALL HAVE METAL WASHERS. BOLT HOLES IN WOOD SHALL BE DRILLED 1/32" TO 1/16" DIAMETER LARGER THAN NOMINAL BOLT DIAMETER.
9. LAG BOLTS SHALL HAVE LEAD HOLES BORED BEFORE DRIVING. HOLE DIAMETERS TO BE AS FOLLOWS:  
(A) THREAD PORTION - SAME DIAMETER AND LENGTH AS SHANK.  
(B) SHANK PORTION - 0.60 TO 0.75 DIAMETER OF THREAD AND SAME LENGTH.
10. NAIL ALL 2X DOUBLE STUDS WITH 16# NAILS AT 12 INCHES ON CENTER, STAGGERED. UNLESS NOTED OTHERWISE.
11. ALL BREAKS IN DOUBLE PLATES FOR VENTS, DUCTS AND PLUMBING SHALL BE STAMPED AS PER TYPICAL DETAIL.
12. FASTENING SCHEDULE SHALL FOLLOW TABLE 2304.9.1 OF 2019 CBC UNLESS NOTED OTHERWISE ON THE CONSTRUCTION PLAN.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE STANDARDS SET FORTH IN THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "MANUAL OF STEEL CONSTRUCTION" AND CONFORM TO:  
(A) STRUCTURAL SHAPES AND PLATES: ASTM A36 & ASTM A992  
(B) TUBES: ASTM A500, GRADE B, FY = 48 KSI  
(C) ELECTRODES: AWS D1.1, CLASS E70X8  
(D) STRUCTURAL FASTENERS:  
HIGH STRENGTH BOLTS: ASTM A325 OR A490 AS INDICATED MACHINE BOLTS: ASTM A307
2. ANCHOR BOLTS CAST IN CONCRETE:  
(A) THREADED RODS: ASTM A36  
(B) ANCHOR BOLTS: ASTM A307
3. SHEAR STUDS: ASTM A108 GRADE 1015 (AISC MANUAL)
4. STEEL FABRICATOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS, REEL FABRICATOR TO COORDINATE WITH MECHANICAL SUBCONTRACTOR FOR THE SIZE, LOCATION AND DIMENSIONS OF THE MECHANICAL UNITS AND OPENINGS.
5. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS.
6. ALL STEEL SHALL BE FABRICATED AND ERECTED BY A CITY APPROVED AND ICC LICENSED STEEL FABRICATOR.
7. ALL WELDING SHALL BE DONE BY AMERICAN WELDING SOCIETY (AWS) AND CITY CERTIFIED WELDERS USING AN ELECTRIC ARC PROCESS. CONTINUOUS INSPECTION IS REQUIRED FOR ALL FIELD WELDING.
8. MILL REPORTS SHALL BE FURNISHED TO THE CITY FOR ALL STRUCTURAL STEEL MEMBERS OR OTHER RECORDS ATTESTING THAT THE SPECIFIC GRADE CONFORMS TO CALIFORNIA BUILDING CODE STANDARD 27-1. OTHERWISE, TESTING OF MATERIALS WILL BE REQUIRED.
9. HIGH STRENGTH BOLTS INSTALLED AS BEARING BOLTS [A-325N] SHALL BE TORQUED TO SLIP CRITICAL TENSION REQUIREMENTS AS DEFINED BY THE LATEST PUBLICATION OF "RESEARCH GROUP ON STRUCTURAL CONNECTIONS" SECTIONS 6C.
10. HIGH STRENGTH BOLTS REQUIRED TO BE SLIP CRITICAL [A325N OR A490] CAN BE INSTALLED BY USE OF DIRECT TENSION INDICATOR IN CONFORMANCE WITH ASTM F959-85, OR CAN BE TENSION SET. CONTINUOUS INSPECTION IS REQUIRED DURING ALL SLIP CRITICAL HIGH STRENGTH BOLT INSTALLATIONS AND TIGHTENING OPERATIONS. THE CONTRACTOR SHALL PROVIDE A TORQUE WRENCH CALIBRATED IN THE FIELD BY A DEVICE CAPABLE OF MEASURING DIRECT TENSION BOLTS.
11. ALL STRUCTURAL STEEL ERECTED WITH ANCHOR BOLTS SHALL BE PLUMBED AND LEveled TO FINAL POSITION WITH DOUBLE NUTS, NO LEVELING PLATES SHALL BE USED.
12. ALL STRUCTURAL STEEL SURFACES TO BE WELDED OR HIGH STRENGTH BOLTS SHALL BE ENCLOSED PRIOR TO BONDING. JOINTS SHOULD BE FIREPROOFING, OR TO BE ENCLOSED BY FINISH MATERIALS, SHALL BE LEFT UNPAINTED.
13. ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO WEATHER, I.E. MECHANICAL PLATFORMS AND ROOF TOP EQUIPMENT SUPPORTS, SHALL BE HOT DIPPED GALVANIZED. ANY WELDING PERFORMED ON GALVANIZED MEMBERS SHALL BE TOUCHED UP WITH ZINC RICH PAINT IN THE FIELD.
14. ALL OTHER STRUCTURAL STEEL SHALL HAVE A SHOP COAT OF APPROVED PAINT.
15. ALL NEW STEEL SHALL BE CLEANED FREE OF RUST, LOOSE MILL SCALE AND OIL AFTER FABRICATION, THEN GIVEN ONE SHOP COAT OF RUST INHIBITIVE PRIMER. ALL UNPAINTED SURFACES AND SURFACES WHERE PAINT HAS BEEN DAMAGED AND/OR MARKED SHALL BE GIVEN A FIELD TOUCH-UP COAT OF PRIMER USED FOR THE SHOP COAT.
16. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY THE ENGINEER PRIOR TO FABRICATION.

FIBER REINFORCED PLASTIC (FRP)

1. THIS SECTION INCLUDES THE FOLLOWING FRP PRODUCTS AND FABRICATIONS:  
A. FRP STRUCTURAL SHAPES  
B. FRP GRATINGS AND FRAMES  
C. FRP FOAM CORE BUILDING PANELS  
D. FRP WALL PANEL SYSTEMS ARE TO MEET THE FOLLOWING REQUIREMENTS:  
1. ALL FRP PRODUCTS TO BE FIBERGLASS IN ACCORDANCE WITH LOS ANGELES CITY RESEARCH REPORT 2568B.  
2. PANELS ARE TO MATCH THE EXISTING BUILDING COLOR AND TEXTURE TO THE SATISFACTION OF EUKON GROUP, LEASE OWNER AND LANDLORD (OR OWNER).  
3. PANEL SYSTEM MUST BE ABLE TO SPAN BETWEEN SUPPORTS PROVIDED AND RESIST A DESIGN WIND LOAD OF 25 POUNDS PER SQUARE FOOT PERPENDICULAR TO THE PANEL SURFACE WITH A MAXIMUM DEFLECTION RATIO OF L/60.  
4. ACCEPTABILITY OF THE PANEL RF TRANSPARENCY IS SUBJECT TO THE APPROVAL OF LEASE OWNER.  
5. REFER TO PROJECT SPECIFICATION FOR ADDITIONAL REQUIREMENTS.  
C. ALL FRP PRODUCTS SPECIFIED IN THESE DESIGN DRAWINGS SHALL BE AS FOLLOWS:  
1. STRUCTURAL SHAPES AND PLATE: FIBERGLASS DYNOWFORM. ALL STRUCTURAL SHAPES SHALL CONSIST OF A GLASS FIBER REINFORCED POLYESTER OR VINYL ESTER RESIN MATRIX. APPROXIMATELY 50% RESIN TO GLASS RATIO. GLASS STRAND ROVING SHALL BE USED IN THE LONGITUDINAL DIRECTION AND CONTINUOUS STRAND MATS SHALL BE USED FOR TRANSVERSE REINFORCEMENT.  
2. FASTENERS: WHERE SPECIFIED AS FRP FASTENERS SHALL BE FIBERGLASS THREADED ROD AND NUTS, TYPICALLY BOLTS WITHIN THE AREA OF THE ANTENNA SIGNAL TO BE FRP. ALL OTHER BOLTS TO BE ASTM A307.  
A. ALL FRP PRODUCTS SHALL BE MANUFACTURED USING THE PULTRUDED PROCESS UTILIZING EITHER AN ISOPHTHALIC POLYESTER OR VINYL ESTER RESIN WITH FLAME RETARDANT AND ULTRAVIOLET (UV) INHIBITOR ADDITIVES. A SYNTHETIC SURFACE FINISH SHALL BE THE OUTERMOST LAYER COVERING THE EXTERIOR SURFACE.  
B. THE CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO INSTALL THE FRP PRODUCTS AS SPECIFIED HEREIN.  
C. SHOP DRAWINGS OF ALL FRP STRUCTURAL MEMBERS SHALL BE SUBMITTED TO EUKON GROUP FOR REVIEW. ALL SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING:  
a. DIMENSIONS  
b. ERECTION INSTRUCTIONS AND SECTIONAL ASSEMBLIES  
c. LOCATION AND IDENTIFICATION MARKS  
d. SIZE AND TYPE OF SHORING OR TEMPORARY SUPPORT FRAMING  
e. MATERIAL SPECIFICATIONS AND SUPPORTING DATA AS NECESSARY  
D. CONTRACTOR MAY BE REQUIRED TO SUBMIT SAMPLES OF SPECIFIC PRODUCTS FOR APPROVAL PRIOR TO INSTALLATION AND PLACEMENT OF PURCHASE ORDERS.  
E. ALL CUT ENDS, HOLES AND ABRASIONS OF FRP SHAPES AND MEMBERS SHALL BE SEALED WITH A COMPATIBLE RESIN COATING TO PREVENT INTRUSION OF MOISTURE AND PREMATURE FRAYING.  
F. FRP CONNECTION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:  
1. FOAM CORE PANEL CONNECTIONS: PANELS SHALL BE DESIGNED FOR TONGUE-IN-GROOVE JOINT CONNECTIONS ON TWO PARALLEL SIDES PER PANEL. PANELS CAN BE FASTENED TO THE STRUCTURE WITH A COMPATIBLE EPOXY ADHESIVE AND/OR STAINLESS STEEL OR FIBERGLASS FASTENERS AS APPROPRIATE.  
2. STRUCTURAL MEMBER CONNECTIONS:  
A. ALL FIBERGLASS NUTS AND STUDS ARE TO BE LUBRICATED WITH EITHER A LIGHT OIL, DRY LUBRICANT OR SILICONE SPRAY.  
B. ALL CONNECTIONS TO BE TORQUED TO THE FOLLOWING REQUIREMENTS:  
3/8" BOLT ----- 4 FT-LBS  
1/2" BOLT ----- 8 FT-LBS  
5/8" BOLT ----- 16 FT-LBS  
3/4" BOLT ----- 30 FT-LBS  
1" BOLT ----- 50 FT-LBS  
C. ALL BOLTS TO BE TORQUED USING A CALIBRATED TORQUE WRENCH.  
D. FIBERGLASS STUD/NUT ASSEMBLIES SHALL BE BONDED TO INSURE THAT THE BOLTS DO NOT LOOSEN. THIS CAN BE ACCOMPLISHED BY APPLYING A THICK LAYER OF ADHESIVE OR RESIN TO OVERLAP THE TORQUE WRENCH.  
E. STRUCTURAL CONNECTION UNLESS OTHERWISE NOTED IN THE DESIGN DRAWINGS RELY ON A COMBINATION OF BOLT BEARING AND ADHESIVE BONDING. THE MINIMUM REQUIREMENTS FOR CONNECTIONS ARE SHELL 828 EPOXY RESIN, DOW D.E.R. 331, OR EQUIVALENT. THE MINIMUM REQUIREMENTS FOR SHEATHING SURFACES WITH 120 GRIT SANDPAPER TO REMOVE POLYESTER SURFACING VELD AND CLEAN JOINT SURFACES WITH A COMPATIBLE SOLVENT PRIOR TO BONDING. JOINTS SHOULD BE PROPERLY CLAMPED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND HELD IN POSITION FOR AT LEAST 48 HOURS (AT 70 DEGREES, REFER TO MANUFACTURER TO OTHER TEMPERATURES) BEFORE DESIGN LOAD CAN BE APPLIED.  
F. MINIMUM EDGE DISTANCE TO THE SIDE OF FASTENERS SHALL BE ONE AND A HALF DIAMETERS AND TWO DIAMETERS TO THE MEMBER END (OR MINIMUM OF 1.5"). MINIMUM BOLT SPACING TO BE FOUR DIAMETERS.

5. PROCEDURE FOR MAKING STRUCTURAL EPOXY JOINTS.  
A. MATERIALS USED:  
STRONGWELL EPOXY ADHESIVE BASE  
STRONGWELL EPOXY ADHESIVE HARDENER  
SHELL 828 WAX COATED PAPER CUP FOR MIXING  
CLEAN WOODEN OR FRP STICK FOR MIXING  
120 GRIT SANDPAPER  
CLAMP FOR HOLDING EPOXY JOINTS DURING CURE  
CLEAN CLOTH  
B. SURFACE PREPARATION  
1. SAND MATING SURFACES WITH 120 GRIT SANDPAPER UNTIL THE SURFACE GLOSS HAS BEEN REMOVED. THE SURFACING VELD MUST BE GROUND OFF TO EXPOSE THE GLASS REINFORCEMENT. SAND BLASTING EQUIPMENT CAN ALSO BE USED.  
2. REMOVE ALL DUST WITH A CLEAN CLOTH. AIR BLASTING EQUIPMENT MAY ALSO BE USED. AVOID RECONTAMINATION OF THE SURFACE FROM HANDLING.  
3. MIXING OF EPOXY  
MIX EQUAL VOLUME PORTIONS OF THE BASE AND HARDENER IN A SMALL WAX COATED PAPER CUP WITH A CLEAN STICK UNTIL A UNIFORM GRAY COLOR IS ATTAINED AND ALL MARBLED APPEARANCE IS GONE.  
NOTE: OTHER ADHESIVE SYSTEMS COMPATIBLE WITH FIBERGLASS CAN BE UTILIZED AND THE MANUFACTURER'S MIXING INSTRUCTIONS FOR THESE SYSTEMS SHOULD BE FOLLOWED.  
7. APPLICATION AND CURE  
A. APPLY THE MIXED EPOXY UNIFORMLY TO ALL SURFACES TO BE JOINED. A THIN APPLICATION IS OFTEN MORE BENEFICIAL THAN A THICK APPLICATION.  
B. AVOID INTRODUCING MOISTURE INTO THE JOINT.  
C. JOIN THE SURFACE TO BE BONDED. THE JOINT AT 77°F FOR 1-3 OZ MIXTURE OF EQUAL VOLUMES OF BASE AND HARDENER IS 2.5 HOURS.  
D. SECURE THE JOINT WITH CLAMPS (OR RIVETS OR BOLTS) AND ALLOW 24 HOURS FOR A FULL CURE. THE ASSEMBLY CAN BE HANDLED WITH REASONABLE CARE IN LESS THAN 8 HOURS. THE STRUCTURE SHOULD NOT BE REQUIRED TO SUPPORT ITS DESIGN LOAD UNTIL AT LEAST 48 HOURS (AT 70°F) AFTER BONDING. LOWER TEMPERATURES REQUIRE A LONGER CURE.  
E. AFTER SECURING THE JOINT, Wipe AWAY EXCESS EPOXY.

WELDING

1. ALL STRUCTURAL STEEL WELDING SHALL BE AS PER LATEST EDITION OF THE AMERICAN WELDING CODE (AWS) D1.1. ELECTRODES TO BE USED IS E 70XX. WELD LENGTHS SHOWN ARE EFFECTIVE LENGTH PER THE LATEST EDITION OF THE AWS. IF WELD LENGTHS ARE NOT SHOWN, THE WELD SHALL BE FULL LENGTH OF JOINT.  
2. ALL WELDING OF REINFORCING STEEL SHALL BE PER THE LATEST EDITION OF AWS D1.4.  
3. CONTINUOUS INSPECTION IS REQUIRED FOR ALL WELDING. ALL WELDING SHALL BE PERFORMED BY WELDERS HOLDING CURRENT CERTIFICATIONS FROM THE AWS AND THE CITY FOR WELDING OF STRUCTURAL STEEL.  
4. ALL FULL PENETRATION WELDS SHALL BE TESTED BY NONDESTRUCTIVE METHODS (ULTRASONIC OR RADIOGRAPHIC TESTING). ALL RADIOGRAPHIC OPERATIONS SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 17 - HEALTH, RADIATION CONTROL REGULATIONS. COORDINATION WITH OWNER RADIATION SAFETY OFFICER SHALL BE REQUIRED PRIOR TO COMMENCEMENT OF ANY RADIOGRAPHIC OPERATIONS. A COPY OF ALL RADIATION SAFETY SURVEY/MONITORING LOGS SHALL BE FURNISHED TO OWNER.  
5. REMOVE EXISTING PAINT ON EXISTING STEEL ELEMENTS BEFORE WELDING TO EXISTING STEEL.  
6. THE CONTRACTOR SHALL COMPLY WITH ALL FIRE REGULATIONS DURING WELDING. OPERATIONS WHERE FLAMMABLE ELEMENTS EXIST AND SHALL ALSO PROVIDE TEMPORARY PROTECTIVE SHIELDS OF ACCEPTABLE NON-FLAMMABLE MATERIALS AS REQUIRED TO PROTECT THE EXISTING BUILDING ELEMENTS FROM FIRE. IN ORDER TO AVOID ANY FIRE HAZARD, REMOVE TEMPORARILY ALL EXISTING WOOD ELEMENTS IN THE CLOSE VICINITY OF THE NEW WELDING OPERATIONS AND REINSTALL THEM AFTERWARDS TO THE ORIGINAL CONDITION. CONTRACTOR MUST OBTAIN A WELD OR BURN PERMIT FROM THE OWNER'S REPRESENTATIVE AT BEGINNING OF EACH WORK SHIFT.  
INSPCTIONS:  
1. CONTRACTOR SHALL KNOW AND COMPLY WITH REQUIREMENTS OF GOVERNING AGENCY BY INFORMING BUILDING DEPARTMENT WHEN REQUIRED INSPECTIONS ARE TO TAKE PLACE.  
2. INSPECTIONS ARE REQUIRED FOR:  
\* ALL STRUCTURAL STEEL WORK  
\* ALL CONCRETE WORK  
\* ALL MASONRY WORK  
\* ALL REINFORCING STEEL  
\* ALL EXCAVATIONS  
3. SPECIAL INSPECTIONS  
A. THE OWNERS SHALL EMPLOY SPECIAL INSPECTORS WHO SHALL CONDUCT ADDITIONAL INSPECTIONS DURING CONSTRUCTION IN ACCORDANCE WITH CBC CHAPTER 17.  
B. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT CERTIFIED INSPECTOR FROM AN ESTABLISHED TESTING AGENCY, LICENSED AND APPROVED BY THE BUILDING DEPARTMENT.  
C. ALL INSPECTIONS SHALL BE CONTINUOUS, UNLESS OTHERWISE NOTED.  
D. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTIONS REPORTS DIRECTLY TO THE ARCHITECT, EUKON GROUP, AND BUILDING DEPARTMENT.  
E. ANY MATERIALS WHICH FAIL TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND EUKON GROUP FOR PROPER ACTION.

- F. TYPE OF WORK LISTED BELOW REQUIRES CONTINUOUS SPECIAL INSPECTION UNLESS:  
CONCRETE:  
CONCRETE PLACEMENT:.....CONTINUOUS  
REBAR PLACEMENT:.....FINAL PLACEMENT  
REBAR WELDING:.....CONTINUOUS  
REBAR COUPLING:.....TIGHT WITH TORQUE WRENCH  
ANCHOR BOLTS AND INSERTS:.....CONTINUOUS  
BATCH PLANT INSPECTIONS:.....PERIODIC  
GROUT AND GROUT PLACEMENT:.....CONTINUOUS  
EXPANSION ANCHOR INSTALLATION:.....CONTINUOUS  
EPOXY ANCHOR INSTALLATION:.....CONTINUOUS  
MASONRY:  
JUMP LAMP:.....PERIODIC  
GROUT PLACEMENT:.....CONTINUOUS  
REBAR PLACEMENT:.....PERIODIC  
STRUCTURAL STEEL:  
SLIP CRITICAL FIELD WELDING:.....CONTINUOUS  
FULL PENETRATION FIELD WELDING:.....CONTINUOUS  
PARTIAL PENETRATION FIELD WELDING:.....CONTINUOUS  
HIGH STRENGTH BOLTING:.....CONTINUOUS  
WELDED ANCHORS OR STUDS:.....CONTINUOUS  
METAL DECK WELDING:.....CONTINUOUS  
LUMBER:  
FLOOR / ROOF SHEATHING NAILING:.....PERIODIC  
SHEAR WALL SHEATHING NAILING:.....PERIODIC  
GLUE-LAMINATED BEAMS/COLUMNS:.....FABRICATION  
WOOD T JOISTS AND O.M. JOISTS:.....FABRICATION  
PREFABRICATED TRUSSES:.....FABRICATION  
ANCHOR BOLTS/HOLDOWNS:.....PER CBC  
METAL STRAP PLACEMENT:.....PER CBC  
4. A COMPLETE RECORD OF INSPECTION REPORTS SHALL BE RETAINED BY THE INSPECTOR FOR AT LEAST 2 YEARS AFTER COMPLETION OF THE PROJECT, AND MADE AVAILABLE FOR INSPECTION DURING THE PROGRESS OF THE WORK.

SUBMITTALS

1. THE FOLLOWING SUBMITTALS SHALL BE COORDINATED WITH ARCHITECT FOR SUBMITTAL TO EUKON GROUP FOR REVIEW TO WORKING DATES BEFORE START OF WORK REQUIRING SUBMITTALS.  
A. SHOP DRAWINGS.  
B. MIX DESIGN OF CONCRETE.  
C. MIX DESIGN OF MASONRY GROUT.  
D. DISCREPANCIES BETWEEN FIELD CONDITIONS AND DRAWINGS.  
E. MATERIAL SPECIFICATIONS INCLUDING BUT NOT LIMITED TO NON-SHRINK GROUT, CURING COMPOUND, ANCHOR BOLTS, ETC.  
F. TEST REPORTS INCLUDING BUT NOT LIMITED TO TEST RESULTS OF CONCRETE, EPOXY ANCHORS TO EXISTING CONCRETE AND ULTRASONIC TESTING FOR FULL PENETRATION WELDS SHALL BE SUBMITTED TO OWNER WITHIN 3 DAYS OF COMPLETION OF WORK.  
G. WELDING PROCEDURE SPECIFICATIONS (WPS).

GENERAL CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 330, ASTM A76, ASTM A760, AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.  
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE ON PLANS.  
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.  
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:  
CONCRETE CAST AGAINST EARTH .....3 IN.  
CONCRETE EXPOSED TO EARTH OR WEATHER:  
#6 AND LARGER .....2 IN.  
#5 AND SMALLER & W/F .....1 1/2 IN.  
SLAB AND WALL .....3/4 IN.  
BEAMS AND COLUMNS .....1 1/2 IN.  
5. A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.  
6. INSTALLATION OF CONCRETE EXPANSION/JEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMMED REINHEAD OR APPROVED EQUAL, UNLESS NOTED OTHERWISE. SPECIAL INSPECTIONS, WHEN REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS.



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| JY          | GD                    | RB              |
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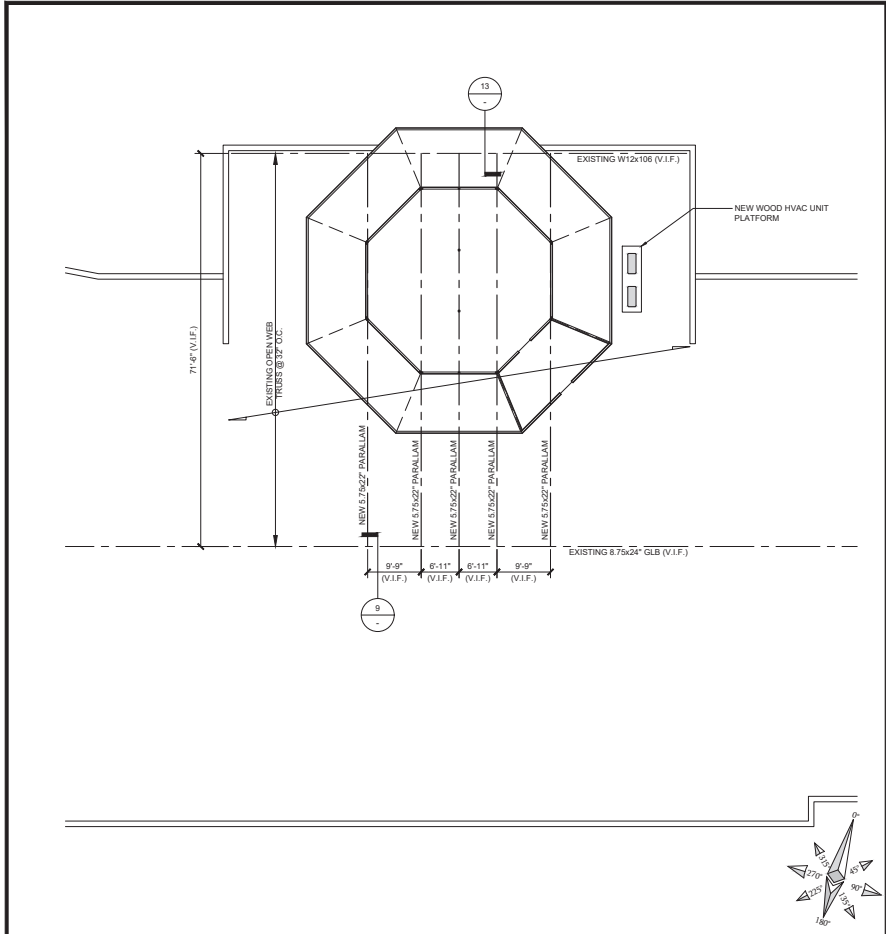
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| 2          | 01/13/23 | 100% CONSTRUCTION DRAWINGS |
| 3          | 01/26/23 | DRM COMMENTS               |
| 4          | 03/15/23 | DRM COMMENTS               |
| 5          | 04/12/23 | EME REPORT                 |
| 6          | 04/18/23 | PLAN CHECK COMMENTS        |

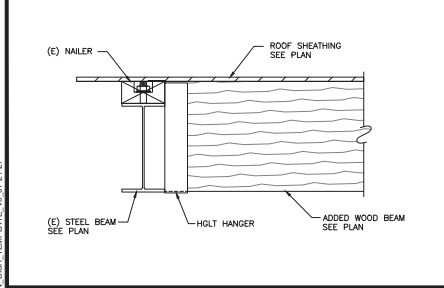
DISH WIRELESS PROJECT INFORMATION  
CAMARILLO OUTLETS  
LALAX02001C  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE  
STRUCTURAL NOTES  
SHEET NUMBER

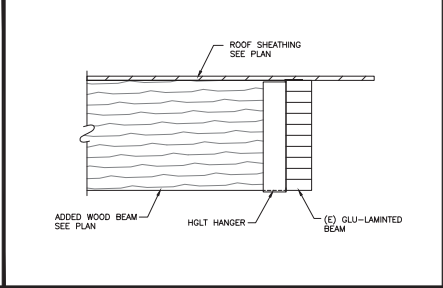
S-1



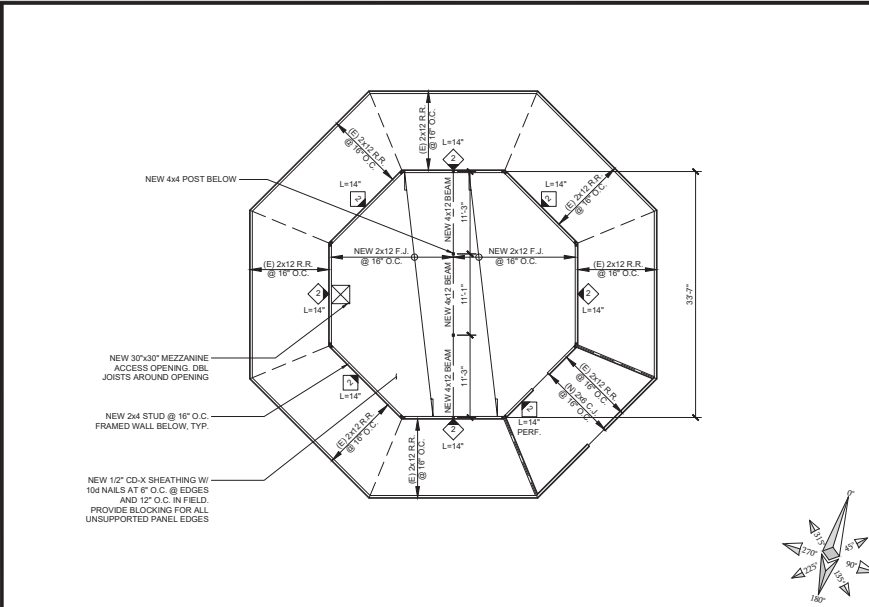
ROOF FRAMING PLAN SCALE 3/32"=1'-0" 10



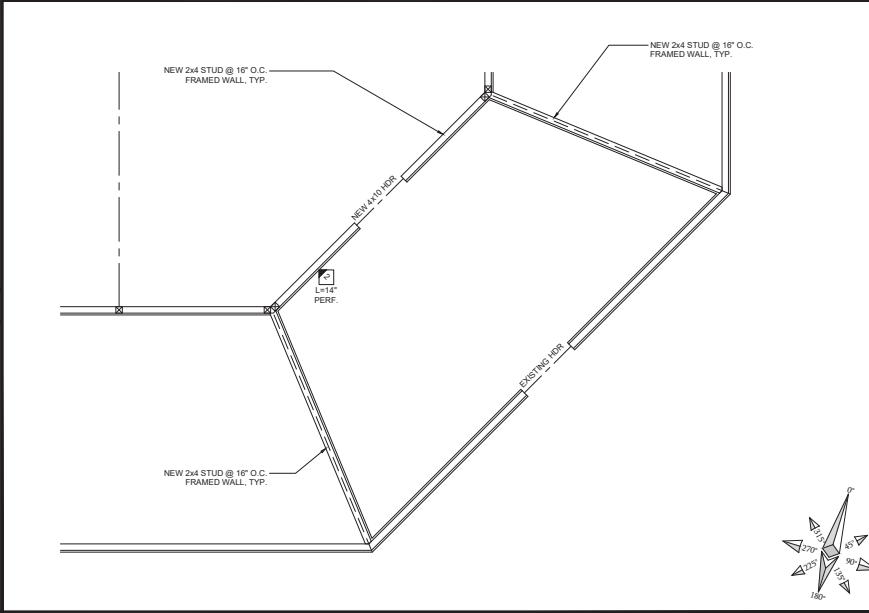
BEAM TO EXISTING STEEL BEAM SCALE NONE 13



BEAM TO EXISTING WOOD BEAM SCALE NONE 9



MEZZANINE FLOOR FRAMING PLAN SCALE 1/8"=1'-0" 3



EQUIP ROOM FRAMING PLAN SCALE 1/4"=1'-0" 1



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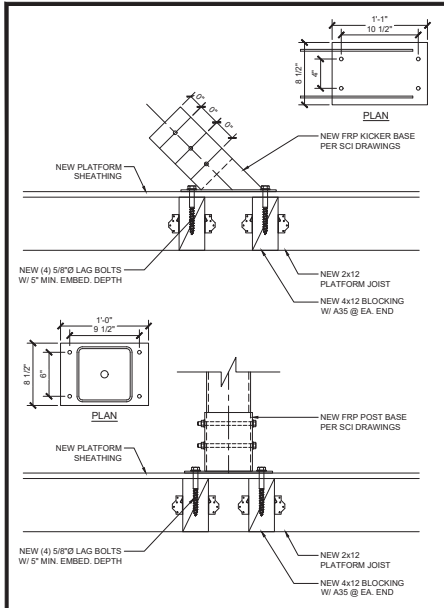
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DISH WIRELESS PROJECT INFORMATION  
**CAMARILLO OUTLETS**  
**LALAX02001C**  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

### STRUCTURAL DETAIL

SHEET NUMBER  
**S-2**

EUKON DISH TEMPLATE 05-07-21-21



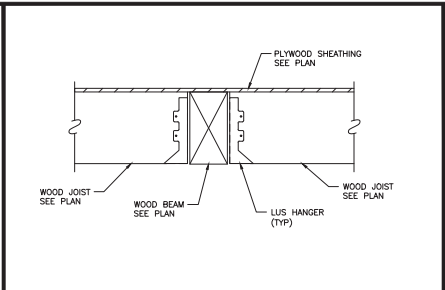
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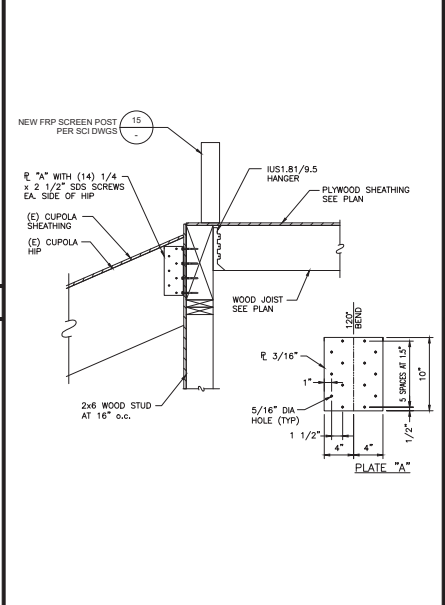
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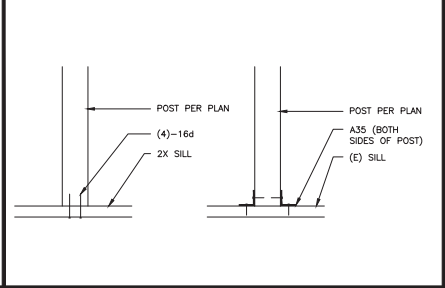
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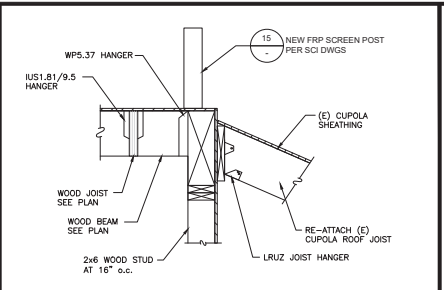
FLOOR JOIST TO WOOD BEAM SCALE NONE 12



BEAM TO WALL SCALE NONE 8



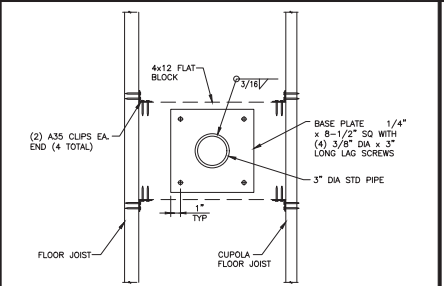
ANTENNA FRAME ANCHORAGE SCALE NONE 6



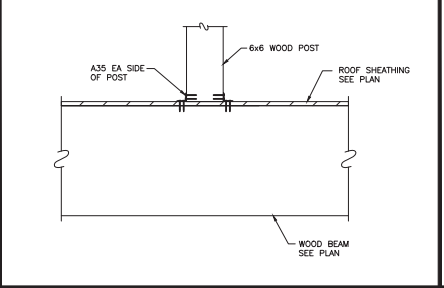
BEAM TO POST SCALE NONE 4

| SHEAR WALL SCHEDULE (3) |           |                  |                        |                          |
|-------------------------|-----------|------------------|------------------------|--------------------------|
| WALL TYPE               | SHT'G (1) | EDGE NAILING (2) | SHEATHING ONE SIDE (3) | SHEATHING BOTH SIDES (4) |
| 1                       | 1/2"      | 6" o.c.          | 6" o.c.                | 3" o.c.                  |
| 2                       | 1/2"      | 4" o.c.          | 4" o.c.                | 2" o.c.                  |
| 3                       | 1/2"      | 3" o.c.          | 3" o.c.                | 1 1/2" o.c.              |

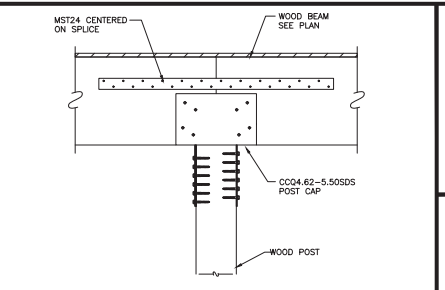
SHEAR WALL SCHEDULE SCALE NONE 7



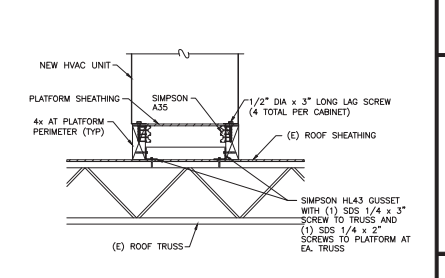
CONDENSING UNIT MOUNTING SCALE NONE 3



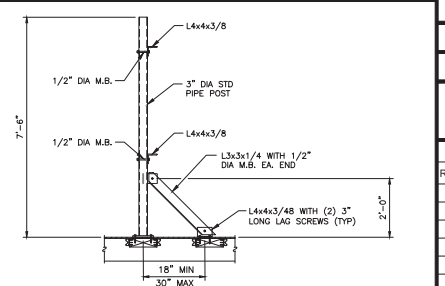
ANTENNA FRAME SCALE NONE 2



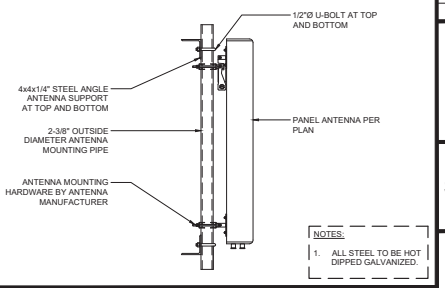
ANTENNA TO CROSSARM SCALE NONE 1



POST TO SILL PLATE SCALE NONE 9



POST TO BEAM SCALE NONE 5



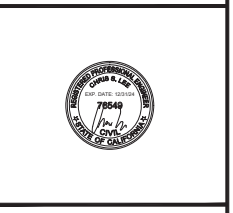
ANTENNA TO CROSSARM SCALE NONE 1

**dish wireless.**

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RFDS REV #: 0

### CONSTRUCTION DRAWINGS

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| REV        | DATE     | DESCRIPTION                |
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| 1          | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
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DISH WIRELESS PROJECT INFORMATION

**CAMARILLO OUTLETS**

**LALAX02001C**

740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

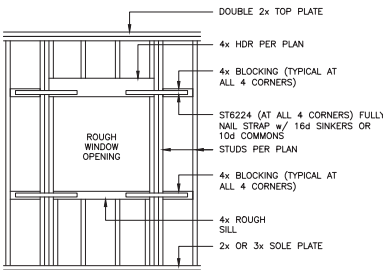
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SHEET NUMBER

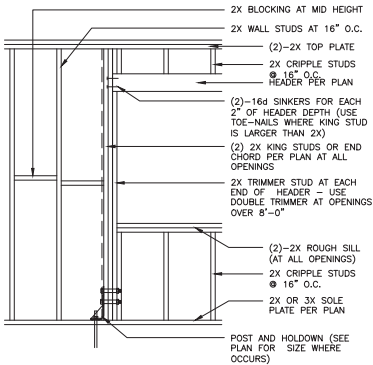
**S-3**



|          |               |    |          |
|----------|---------------|----|----------|
|          |               |    |          |
| NOT USED | SCALE<br>NONE | 16 | NOT USED |
|          | SCALE<br>NONE |    | 12       |



APPLY SHEAR MATERIAL ALL AROUND OPENING (SIDES, TOP, & BOTTOM). PROVIDE EDGE NAILING ALL AROUND OPENING INTO 4x HEADER, SILL, AND BLOCKING.



NOTE: FRAMING SHOWN ON PLANS SHALL GOVERN OVER THE TYPICAL FRAMING SHOWN ON THIS DETAIL.

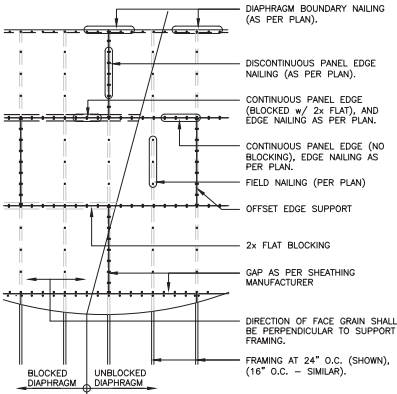
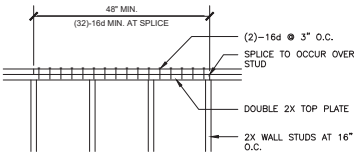
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|          | SCALE<br>NONE |    | 11       |

#### PERFORATED SHEARWALL

SCALE  
NONE

#### TYPICAL WALL FRAMING

SCALE  
NONE



|          |               |    |          |
|----------|---------------|----|----------|
| NOT USED | SCALE<br>NONE | 14 | NOT USED |
|          | SCALE<br>NONE |    | 10       |

#### TOP PLATE SPLICE

SCALE  
NONE

#### SHEAR DIAPHRAGM

SCALE  
NONE

|          |               |    |          |
|----------|---------------|----|----------|
| NOT USED | SCALE<br>NONE | 13 | NOT USED |
|          | SCALE<br>NONE |    | 9        |

#### NOT USED

SCALE  
NONE

#### NOT USED

SCALE  
NONE



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| JY          | GD                       | RB                 |
| RFDS REV #: |                          | 0                  |

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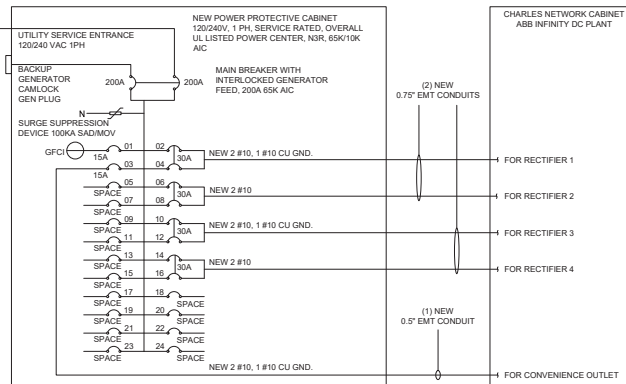
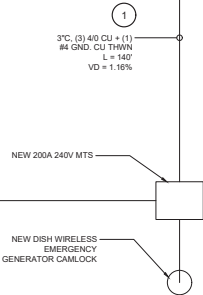
| SUBMITTALS |          |                            |
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DISH WIRELESS PROJECT INFORMATION  
**CAMARILLO OUTLETS**  
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740 VENTURA BLVD. STE. 502  
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#### STRUCTURAL DETAIL

SHEET NUMBER

**S-4**



**NOTE:** BRANCH CIRCUIT WIRING SUPPLYING RECTIFIERS ARE TO BE RATED UL1015, 105°C, 600V, AND PVC INSULATED, IN THE SIZES SHOWN IN THE ONE-LINE DIAGRAM. CONTRACTOR MAY SUBSTITUTE UL1015 WIRE FOR THWN-2 FOR CONVENIENCE OUTLET BRANCH CIRCUIT

## ELECTRICAL SINGLE DIAGRAM

| PANEL A        |                     |         |     |             |      |                  |      |                 |     |                |      |             |      |                    |      |     |         |      |              |
|----------------|---------------------|---------|-----|-------------|------|------------------|------|-----------------|-----|----------------|------|-------------|------|--------------------|------|-----|---------|------|--------------|
| MOUNTING       |                     | SURFACE |     | DOUBLE LUG  |      | NO               |      | VOLTS           |     | 120/208        |      | MAIN        |      | 200A/2P            |      |     |         |      |              |
|                |                     |         |     |             |      |                  |      | PHASE           |     | 1              |      | BUS         |      | 200A               |      |     |         |      |              |
|                |                     |         |     |             |      |                  |      | WIRE            |     | 3              |      | A.I.C.      |      | 65K SERIES W/ MAIN |      |     |         |      |              |
| WIRE SIZE      | LOCATION            | A       | B   | LCL         | CONV | RECIP            | MISC | BKR             | ORC | A/B            | CIRC | BKR         | MISC | RECIP              | CONV | LCL | A       | B    | LOCATION     |
| 12             | PPC GFCI Outlet     | 180     |     |             | 1    |                  |      | 15/1            | 1   | A              | 2    | 30/2        |      |                    |      | 1   | 2200    |      | RECTIFIER #1 |
| 12             | Charles GFCI Outlet |         | 180 |             | 1    |                  |      | 15/1            | 3   | B              | 4    |             |      |                    |      |     |         | 2200 | RECTIFIER #2 |
|                | SPACE               |         |     |             |      |                  |      | -               | 5   | A              | 6    | 30/2        |      |                    |      | 1   | 2200    |      | RECTIFIER #2 |
|                | SPACE               |         |     |             |      |                  |      | -               | 7   | B              | 8    | -           |      |                    |      | 1   | 2200    |      | RECTIFIER #3 |
|                | SPACE               |         |     |             |      |                  |      | -               | 9   | A              | 10   | 30/2        |      |                    |      | 1   | 2200    |      | RECTIFIER #3 |
|                | SPACE               |         |     |             |      |                  |      | -               | 11  | B              | 12   | -           |      |                    |      | 1   | 2200    |      | RECTIFIER #4 |
|                | SPACE               |         |     |             |      |                  |      | -               | 13  | A              | 14   | 30/2        |      |                    |      | 1   | 2200    |      | RECTIFIER #4 |
|                | SPACE               |         |     |             |      |                  |      | -               | 15  | B              | 16   | -           |      |                    |      | 1   | 2200    |      | SPACE        |
|                | SPACE               |         |     |             |      |                  |      | -               | 17  | A              | 18   | -           |      |                    |      |     |         |      | SPACE        |
|                | SPACE               |         |     |             |      |                  |      | -               | 19  | B              | 20   | -           |      |                    |      |     |         |      | SPACE        |
|                | SPACE               |         |     |             |      |                  |      | -               | 21  | A              | 22   | -           |      |                    |      |     |         |      | SPACE        |
|                | SPACE               |         |     |             |      |                  |      | -               | 23  | B              | 24   | -           |      |                    |      |     |         |      | SPACE        |
| A= 8980        |                     |         |     |             |      |                  |      |                 |     |                |      |             |      |                    |      |     | B= 8980 |      |              |
| W/LCL A= 11180 |                     |         |     |             |      |                  |      |                 |     | W/LCL B= 11180 |      |             |      |                    |      |     |         |      |              |
| TOTAL VA=      |                     | 17960   |     | W/LCL=22360 |      | W/LCL AMPS= 93   |      | TOTAL LCL=      |     | 17600          |      | X 25 = 4400 |      |                    |      |     |         |      |              |
| HIGH PHASE VA= |                     | 8980    |     | W/LCL=11180 |      | HIGH PH AMPS= 93 |      | HIGH PHASE LCL= |     | 8800           |      | X 25 = 2200 |      |                    |      |     |         |      |              |
| TOTAL KVA=     |                     | 17.96   |     | W/LCL=22.36 |      |                  |      |                 |     |                |      |             |      |                    |      |     |         |      |              |

**NOTE:**  
**BREAKERS REQUIRED: (OR EQUIVALENT MANUFACTURER)**  
(4) 30A, 2P BREAKER - SQUARE D P/N:QO230  
(2) 20A, 1P BREAKER - SQUARE D P/N:QO120 (IF REQUIRED)  
(2) 15A, 1P BREAKER - SQUARE D P/N:QO115

NOT USED

|       |   |
|-------|---|
| SCALE | 1 |
| NONE  |   |

## PANEL SCHEDULE

|       |  |
|-------|--|
| SCALE |  |
| NONE  |  |

## NOTES

THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AIC RATINGS FOR EACH DEVICE IS ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.

THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND ALL BRANCH CIRCUIT AND FEEDERS COMPLY WITH THE NEC (LISTED ON T-1) ARTICLE 210.19(A)(1) FPN NO. 4.

THE (2) CONDUITS WITH (4) CURRENT CARRYING CONDUCTORS EACH, SHALL APPLY THE ADJUSTMENT FACTOR OF 80% PER 2014/17 NEC TABLE 310.15(B)(3)(a) OR 2020 NEC TABLE 310.15(C)(1) FOR UL1015 WIRE.

|     |                |                            |
|-----|----------------|----------------------------|
| #12 | FOR 15A-20A/1P | BREAKER: 0.8 x 30A = 24.0A |
| #10 | FOR 25A-30A/2P | BREAKER: 0.8 x 40A = 32.0A |
| #8  | FOR 35A-40A/2P | BREAKER: 0.8 x 55A = 44.0A |
| #6  | FOR 45A-60A/2P | BREAKER: 0.8 x 75A = 60.0A |

CONDUIT SIZING: AT 40% FILL PER NEC CHAPTER 9, TABLE 4, ARTICLE 358

|       |                             |
|-------|-----------------------------|
| 0.5"  | CONDUIT - 0.122 SQ. IN AREA |
| 0.75" | CONDUIT - 0.213 SQ. IN AREA |
| 2.0"  | CONDUIT - 1.316 SQ. IN AREA |
| 3.0"  | CONDUIT - 2.907 SQ. IN AREA |

CABINET CONVENIENCE OUTLET CONDUCTORS (1 CONDUIT): USING THWN-2, CU

#10 - 0.0211 SQ. IN X 2 = 0.0422 SQ. IN  
#10 - 0.0211 SQ. IN X 1 = 0.0211 SQ. IN <GROUND

---

TOTAL = 0.0633 SQ. IN

0.5" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (3) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

RECTIFIER CONDUCTORS (2 CONDUITS): USING UL1015, CU.

#10 - 0.0266 SQ. IN X 4 = 0.1064 SQ. IN  
#10 - 0.0082 SQ. IN X 1 = 0.0082 SQ. IN <BARE GROUND  

---

TOTAL = 0.1146 SQ. IN

0.75" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (5) WIRES INCLUDING GROUND WIRE, AS INDICATED ABOVE.

PPC FEED CONDUCTORS (1 CONDUIT): USING THWN, CU.

3/0 = 0.2679 SQ. IN X 3 = 0.8037 SQ. IN  
#6 = 0.0507 SQ. IN X 1 = 0.0507 SQ. IN <GROUND

---

TOTAL = 0.8544 SQ. IN

3.0" SCH 40 PVC CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (4) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

1. OPTIONAL ALUMINUM SERVICE CONDUCTOR:
- 4/0 AL + #2 GRD MAY BE USED INSTEAD OF 3/0 CU + #6 GRD IF THE TOTAL LENGTH OF THE CONDUCTOR IS LESS THAN 300 FT FROM THE TRANSFORMER.
  - ALUMINUM CONDUCTORS MUST BE 90°C TO CARRY THE FULL 200A LOAD REQUIRED
  - ALUMINUM TO COPPER BUSS CONNECTIONS MUST MEET AND CONFORM TO ANSI AND BE UL LISTED. USE ANTI CORROSION CONDUCTIVE LUBRICANT ON CONNECTIONS



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OF THE LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

|           |                          |                    |
|-----------|--------------------------|--------------------|
| DRAWN BY: | UTILITIES<br>CHECKED BY: | A&E<br>CHECKED BY: |
| JY        | GD                       | RB                 |

RFDS REV #: 0

## CONSTRUCTION DRAWINGS

## SUBMITTALS

| REV | DATE     | DESCRIPTION                |
|-----|----------|----------------------------|
| 0   | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
| 1   | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
| 2   | 01/13/23 | 100% CONSTRUCTION DRAWINGS |
| 3   | 01/26/23 | DRM COMMENTS               |
| 4   | 03/15/23 | DRM COMMENTS               |
| 5   | 04/12/23 | EME REPORT                 |
| 6   | 04/18/23 | PLAN CHECK COMMENTS        |
|     |          |                            |
|     |          |                            |

## DISH WIRELESS PROJECT INFORMATION

CAMARILLO OUTLETS  
LALAX02001C

740 VENTURA BLVD. STE. 502

CAMARILLO, CA 93010

SHEET TITLE  
**ELECTRICAL SINGLE  
LINE DIAGRAM AND  
PANEL SCHEDULE**

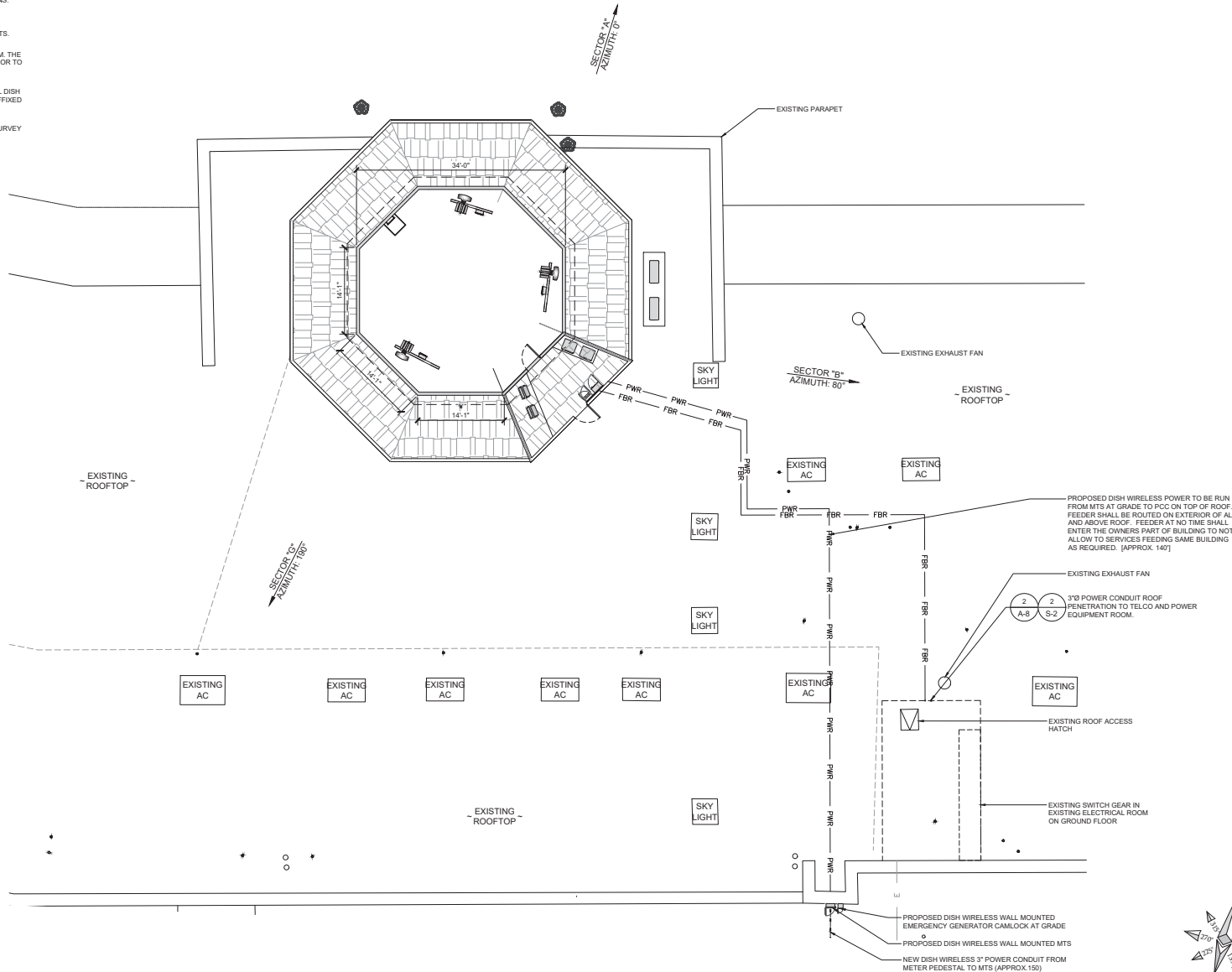
SHEET NUMBER

E-1



NOTES:

1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
3. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE NEW GPS UNIT TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
4. CONTRACTOR TO VERIFY WITH DISH WIRELESS C.M. THE LOCATION OF THE POWER AND FIBER SOURCE PRIOR TO CONSTRUCTION.
5. UTILITY RUBBER MAT TO BE INSTALLED UNDER ALL DISH WIRELESS EQUIPMENT THAT IS RESTING ON OR AFFIXED TO ROOF MEMBRANE.
6. THIS SITE PLAN IS NOT INTENDED TO BE A LAND SURVEY



16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606



65 POST, SUITE 1000  
IRVINE, CA 92618  
TEL: (949) 553-8566  
[www.eukongroup.com](http://www.eukongroup.com)



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| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
|-----------|-----------------------|-----------------|
| JY        | GD                    | RB              |

RFDS REV #: 0

CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
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| 3          | 01/26/23 | DRM COMMENTS               |
| 4          | 03/15/23 | DRM COMMENTS               |
| 5          | 04/12/23 | EME REPORT                 |
| 6          | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION

CAMARILLO OUTLETS  
LALAX02001C  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

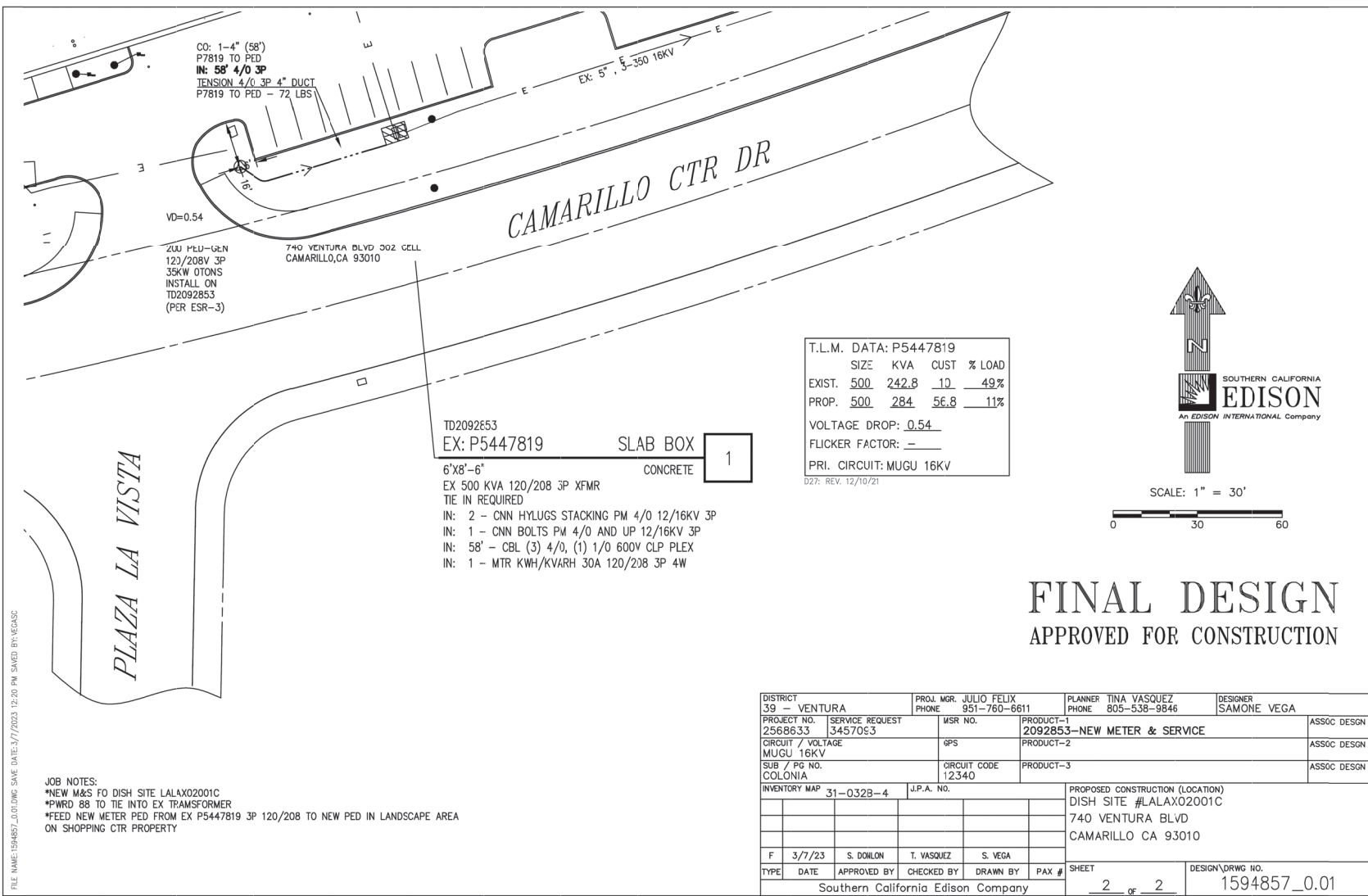
SHEET TITLE

ELECTRICAL  
SITE PLAN

SHEET NUMBER

E-2





**dish**  
wireless.

16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606

**Eukon**  
an SFC Communications, Inc. Company

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FOR  
REFERENCE  
ONLY

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OF THE LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

|             |                          |                    |
|-------------|--------------------------|--------------------|
| DRAWN BY:   | UTILITIES<br>CHECKED BY: | A&E<br>CHECKED BY: |
| JY          | GD                       | RB                 |
| RFDS REV #: |                          |                    |
| 0           |                          |                    |

| CONSTRUCTION<br>DRAWINGS |          |                            |
|--------------------------|----------|----------------------------|
| SUBMITTALS               |          |                            |
| REV                      | DATE     | DESCRIPTION                |
| 0                        | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
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| 5                        | 04/12/23 | EME REPORT                 |
| 6                        | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION

CAMARILLO OUTLETS

LALAX02001C

740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

UTILITY DESIGN

SHEET NUMBER

UD-2

EXOTHERMIC

COMPRESSION TYPE CONNECTIONS

CHEMICAL ELECTROLYTIC GROUNDING SYSTEM

GROUND ROD WITH INSPECTION SLEEVE

TEST GROUND ROD WITH INSPECTION SLEEVE

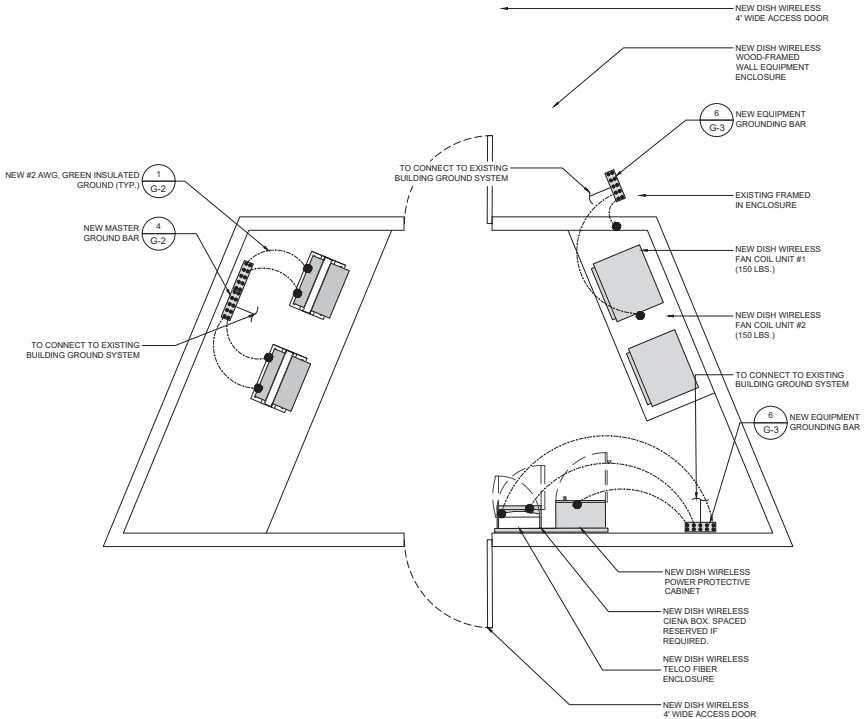
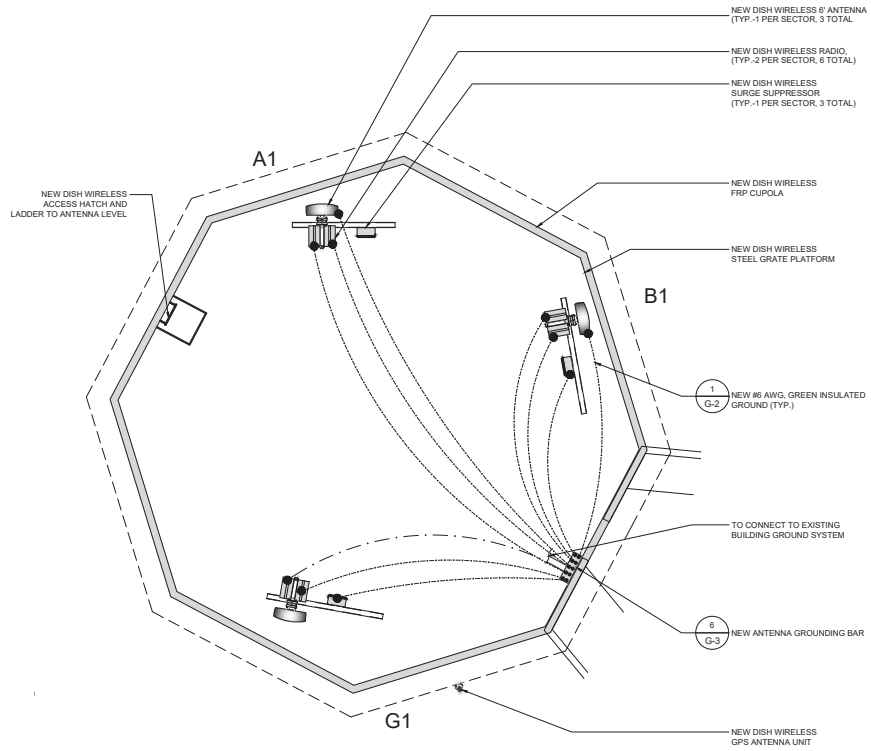
EXOTHERMIC WITH INSPECTION SLEEVE

GROUNDING CONDUCTOR

GROUNDING BAR

THIS PLAN IS A SCHEMATIC ONLY AND DOES NOT SHOW ALL THE GROUNDING PROVIDED BY THE SHELTER MANUFACTURER. CONTRACTOR SHALL NOTIFY CARRIER IF ANY GROUNDING TO BE PROVIDED IS INCOMPLETE OR MISSING.

NOTE:  
CONTRACTOR TO IMPLEMENT ALL GROUNDING REQUIREMENTS AS SPECIFIED BY CARRIER CONSTRUCTION AND INSTALLATION GUIDELINES.



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|           |                       |                 |
|-----------|-----------------------|-----------------|
| DRAWN BY: | UTILITIES CHECKED BY: | A/E CHECKED BY: |
| JY        | GD                    | RB              |

RFDS REV #: 0

## CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
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| 5          | 04/12/23 | EME REPORT                 |
| 6          | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION

CAMARILLO OUTLETS

LALAX02001C

740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

GROUNDING PLANS

SHEET NUMBER

G-1

GROUNDING PLAN

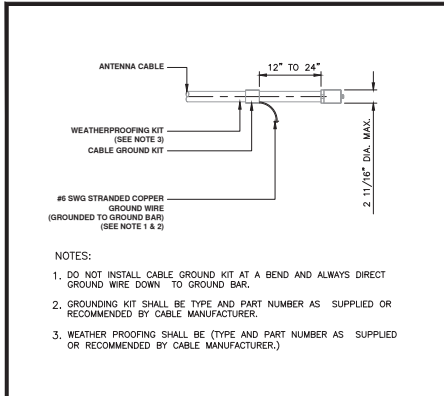
SCALE  
NONE

1

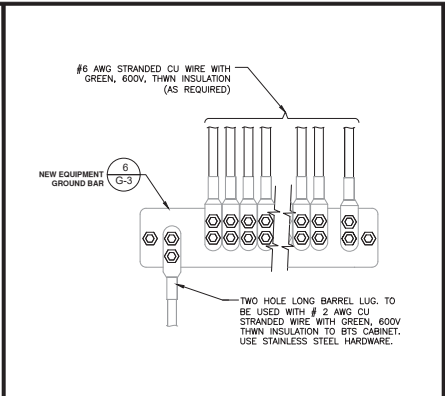
EUKON DISH TEMPLATE 06-07-21-21

E:\KON DISH TEMPLATE\G-2-21-21

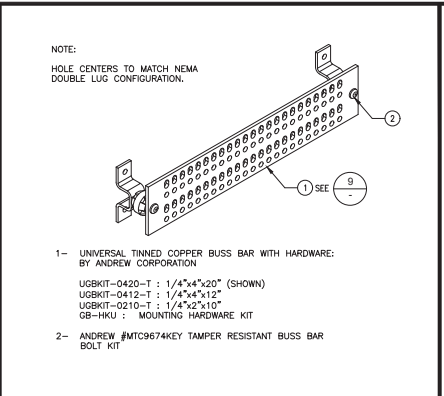
|           |                       | <div>NEWTON INSTRUMENT COMPANY, INC.<br/>BUTNER, N.C.</div> <table><tr><th>NO</th><th>REQUIRED</th><th>PART NUMBER</th><th>DESCRIPTION</th></tr><tr><td>1</td><td>1</td><td>1/4"x4"x30"</td><td>SOLID GROUND BAR</td></tr><tr><td>2</td><td>2</td><td>A-6056</td><td>WALL MOUNTING BRACKET</td></tr><tr><td>3</td><td>2</td><td>3061-4</td><td>INSULATORS</td></tr><tr><td>4</td><td>4</td><td>3012-1</td><td>5/8"-11x1" H.H.C.S.</td></tr><tr><td>5</td><td>4</td><td>3015-8</td><td>5/8" LOCKWASHER</td></tr></table> <div><p>(SEE NOTE 2)</p><p>(SEE NOTE 1)</p></div> <div>EACH GROUNDING CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION</div> <div>SECTION "P" - SURGE PROTECTORS<br/>(EC) CELL REFERENCE GROUND BAR (IF COLLOCATED)<br/>(EC) GENERATOR FRAMEWORK (IF AVAILABLE) (#2 AWG)<br/>(EC) TELCO GROUND BAR (#2 AWG)<br/>(EC) COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (3/0)<br/>(EC) FIBER GROUND BAR (#2 AWG)<br/>(EC) POWER ROOM REFERENCE GROUND BAR (#2 AWG)<br/>(EC) RECTIFIER FRAMES</div> <div>SECTION "A" - SURGE ABSORBERS<br/>(EC) INTERIOR GROUND RING (#2 AWG)<br/>(EC) EXTERNAL EARTH GROUNDING FIELD (BURIED GROUND RING) (#2 AWG)<br/>(EC) METALLIC COLD WATER PIPE (IF AVAILABLE) (1/0 AWG)<br/>(EC) BUILDING STEEL (IF AVAILABLE) (1/0 AWG)</div> <div>SECTION "I" - ISOLATED GROUNDING ZONE<br/>(EC) ALL ISOLATED GROUNDING REFERENCE<br/>(EC) GROUND WINDOW BAR</div> | NO                    | REQUIRED | PART NUMBER  | DESCRIPTION | 1 | 1             | 1/4"x4"x30" | SOLID GROUND BAR | 2 | 2 | A-6056 | WALL MOUNTING BRACKET | 3 | 2 | 3061-4 | INSULATORS | 4 | 4 | 3012-1 | 5/8"-11x1" H.H.C.S. | 5 | 4 | 3015-8 | 5/8" LOCKWASHER |  |  | <div><b>dish</b><br/>wireless.</div> <div>16812 ARMSTRONG AVE<br/>SUITE 200<br/>IRVINE, CA 92606</div> <div><b>Eukon</b><br/>an SFC Communications, Inc. Company<br/>65 POST, SUITE 1000<br/>IRVINE, CA 92618<br/>TEL: (949) 553-8566<br/><a href="http://www.eukongroup.com">www.eukongroup.com</a></div> <div></div> <div>IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.</div> <div><table><tr><td>DRAWN BY:</td><td>UTILITIES CHECKED BY:</td><td>ASE CHECKED BY:</td></tr><tr><td>JY</td><td>GD</td><td>RB</td></tr></table><div>RFDS REV #: 0</div><div>CONSTRUCTION DRAWINGS</div><table><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td>0</td><td>12/07/22</td><td>90% CONSTRUCTION DRAWINGS</td></tr><tr><td>1</td><td>12/27/22</td><td>100% CONSTRUCTION DRAWINGS</td></tr><tr><td>2</td><td>01/13/23</td><td>100% CONSTRUCTION DRAWINGS</td></tr><tr><td>3</td><td>01/26/23</td><td>DRM COMMENTS</td></tr><tr><td>4</td><td>03/15/23</td><td>DRM COMMENTS</td></tr><tr><td>5</td><td>04/12/23</td><td>EME REPORT</td></tr><tr><td>6</td><td>04/18/23</td><td>PLAN CHECK COMMENTS</td></tr></table><div>DISH WIRELESS PROJECT INFORMATION<br/>CAMARILLO OUTLETS<br/>LALAX02001C<br/>740 VENTURA BLVD. STE. 502<br/>CAMARILLO, CA 93010</div><div>SHEET TITLE<br/>GROUND DETAILS</div><div>SHEET NUMBER<br/>G-2</div></div> | DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: | JY | GD | RB | REV | DATE | DESCRIPTION | 0 | 12/07/22 | 90% CONSTRUCTION DRAWINGS | 1 | 12/27/22 | 100% CONSTRUCTION DRAWINGS | 2 | 01/13/23 | 100% CONSTRUCTION DRAWINGS | 3 | 01/26/23 | DRM COMMENTS | 4 | 03/15/23 | DRM COMMENTS | 5 | 04/12/23 | EME REPORT | 6 | 04/18/23 | PLAN CHECK COMMENTS |
|-----------|-----------------------|--|-----------------------|----------|--|-------------|---|---------------|-------------|------------------|---|---|--------|-----------------------|---|---|--------|------------|---|---|--------|---------------------|---|---|--------|-----------------|--|--|---|-----------|-----------------------|-----------------|----|----|----|-----|------|-------------|---|----------|---------------------------|---|----------|----------------------------|---|----------|----------------------------|---|----------|--------------|---|----------|--------------|---|----------|------------|---|----------|---------------------|
| NO        | REQUIRED              | PART NUMBER  | DESCRIPTION           |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 1         | 1                     | 1/4"x4"x30"  | SOLID GROUND BAR      |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 2         | 2                     | A-6056   | WALL MOUNTING BRACKET |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 3         | 2                     | 3061-4   | INSULATORS            |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 4         | 4                     | 3012-1   | 5/8"-11x1" H.H.C.S.   |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 5         | 4                     | 3015-8   | 5/8" LOCKWASHER       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY:  |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| JY        | GD                    | RB   |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| REV       | DATE                  | DESCRIPTION  |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 0         | 12/07/22              | 90% CONSTRUCTION DRAWINGS  |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 1         | 12/27/22              | 100% CONSTRUCTION DRAWINGS   |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 2         | 01/13/23              | 100% CONSTRUCTION DRAWINGS   |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 3         | 01/26/23              | DRM COMMENTS   |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 4         | 03/15/23              | DRM COMMENTS   |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 5         | 04/12/23              | EME REPORT   |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| 6         | 04/18/23              | PLAN CHECK COMMENTS  |                       |          |  |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| NOT USED  | 6                     | (MGB) REFERENCE GROUNDING BAR  | SCALE<br>NONE         | 4        | NOT USED   | 2           |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
|           |                       | <div><p>NEW RADIO UNITS PER PLAN</p><p>TO MAIN TOWER GROUND BAR</p><p>ANTENNA GROUND BAR</p><p>MECHANICAL GROUND CONNECTION (TYP.)</p><p>8 G-3</p><p>9 G-3</p></div>   |                       |          | <div>NOTES:<br/>1. THIS IS A DIAGRAMMATIC REPRESENTATION ONLY. SEE GROUNDING PLAN FOR SITE-SPECIFIC GROUNDING LAYOUT AND COMPONENTS.<br/>2. SEE GROUND NOTES FOR ADDITIONAL INFORMATION<br/>3. USE #2/0 AWG, BCW FOR GROUND LEADS FROM BUS BARS TO GROUND RING.<br/>4. USE #2 AWG,BCW FOR BURIED GROUND LOOP AND GROUND LEADS.<br/>5. THE NUMBER AND SIZE OF GROUND BARS USED MAY PER SITE CONDITIONS.</div> <div>LEGEND:<br/>■ - EXOTHERMIC CONNECTION<br/>● - MECHANICAL TYPE CONNECTION</div> <div><p>NEW POWER PROTECTION CABINET</p><p>NEW EQUIPMENT CABINET</p><p>NEW CONC. PAD</p><p>NEW MAIN BUS BAR</p><p>#2 AWG, GREEN INSULATED FOR GROUND LEADS FROM CABINET TO MAIN GROUND BAR (TYP. OF 2)</p><p>TO MASTER GROUND BUS BAR</p></div> |             |   | SCALE<br>NONE | 1           |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |
| NOT USED  | 5                     | ANTENNA GROUNDING  |                       | 3        | RACK GROUNDING   |             |   |               |             |                  |   |   |        |                       |   |   |        |            |   |   |        |                     |   |   |        |                 |  |  |   |           |                       |                 |    |    |    |     |      |             |   |          |                           |   |          |                            |   |          |                            |   |          |              |   |          |              |   |          |            |   |          |                     |



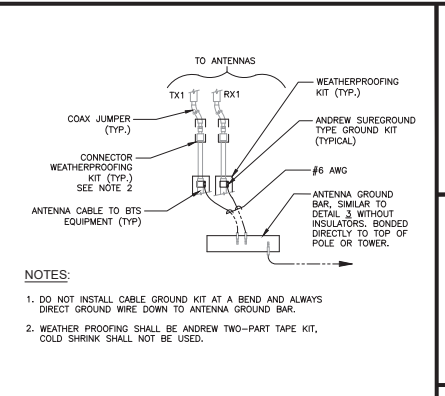
CONN. OF CABLE GND KIT TO ANT. 12



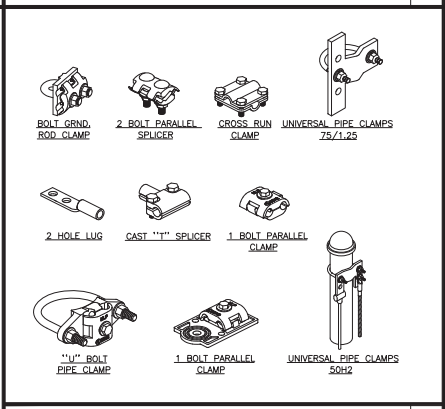
INSTALLATION OF GND WIRE TO GND BAR 9



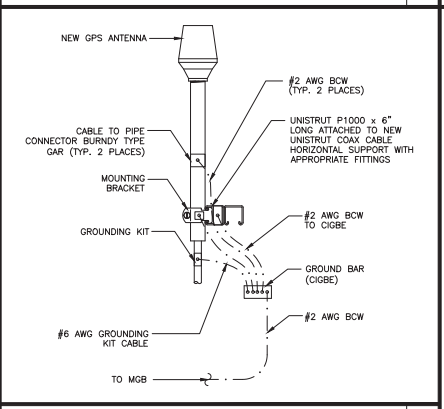
GROUND BAR DETAIL 6



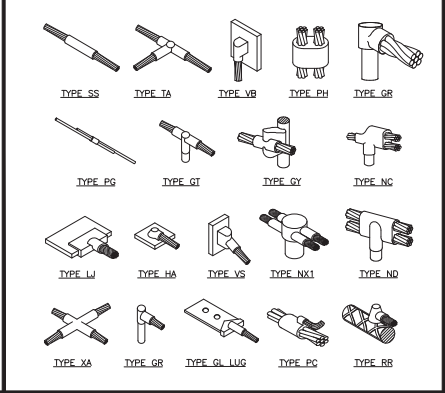
CONN. OF GRND WIRE TO GRND BAR, TOWER 3



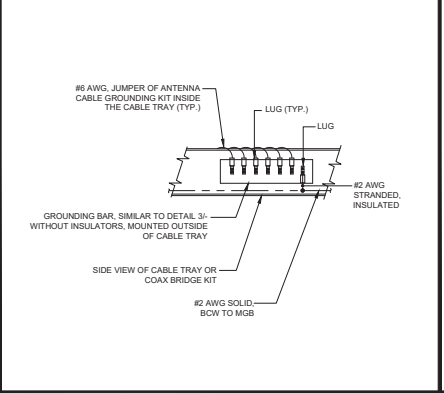
MECHANICAL CONNECTION 8



GPS ANTENNA GROUNDING 5



EXOTHERMIC WELD CONNECTION 7



GROUND BAR AT CABLE TRAY 4

GROUNDING NOTES

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. THE SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUNDING BAR AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.

2. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUNDING CONDUCTOR DOWN TO GROUNDING BAR.

3. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

4. WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

5. PROVIDE GROUNDING KIT #6 BEFORE TURN TRANSITION FROM TOWER TO ICE BRIDGE.

6. WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUB-CONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BARS TO THE TOWER.

7. EXTEND TWO (2) #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING AND CONNECT TO THE NEW TOWER. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR GROUNDING CONNECTIONS TO THE TOWER (APPLICABLE TO NEW TOWERS ONLY.)

8. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE. THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOF-TOP TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM. THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 20 AWG COPPER. ROOF-TOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). SEE CARRIER GROUNDING AND BONDING STANDARDS 78-1816 SPECIFICATION 6.5.2.2.

9. FLEX CONDUIT TO BE INSTALLED ON NEW COPPER CONDUCTOR UP TO GROUNDING BAR AND, SEALED AT ENDS TO PROTECT FROM OUTSIDE MOISTURE AND DEBRIS.

10. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.

11. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.

12. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.

13. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE. ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.

14. GROUND RING SHALL BE LOCATED A MINIMUM OF 24\"/>

GROUNDING NOTES 1

16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606

an SFC Communications, Inc. Company

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|           |                       |                 |
|-----------|-----------------------|-----------------|
| DRAWN BY: | UTILITIES CHECKED BY: | ASE CHECKED BY: |
| JY        | GD                    | RB              |

RFDS REV #: 0

**CONSTRUCTION DRAWINGS**

| REV | DATE     | DESCRIPTION                |
|-----|----------|----------------------------|
| 0   | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
| 1   | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
| 2   | 01/13/23 | 100% CONSTRUCTION DRAWINGS |
| 3   | 01/26/23 | DRM COMMENTS               |
| 4   | 03/15/23 | DRM COMMENTS               |
| 5   | 04/12/23 | EME REPORT                 |
| 6   | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION

**CAMARILLO OUTLETS**

**LALAX02001C**

740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE

**GROUND DETAILS AND NOTES**

SHEET NUMBER

**G-3**

NOT USED 10

EXOTHERMIC WELD CONNECTION 7

GROUND BAR AT CABLE TRAY 4

GROUNDING NOTES 1



**F Cable Color Codes**

Low Bands (N7H-N2E)  
(Optional - N2E)

AWIS  
(N66-N70-16 blocks)

CRBS Tech  
(3 GHz)

CRBS  
YELLOW

CRBS  
PURPLE

CRBS  
ORANGE

CRBS  
GREEN

CRBS  
BLUE

CRBS  
WHITE

**RF Jumper Color Coding**

3/4" tape width with 3/8" spacing

**Low-Band RRH -**  
(500MHz N7H baseband) +  
(500MHz N2E band) +  
(700MHz N29 band) - optional per market

**Alpha RRH**

| Port 1<br>- Slant | Port 2<br>- Slant | Port 3<br>- Slant | Port 4<br>- Slant |
|-------------------|-------------------|-------------------|-------------------|
| RED               | RED               | RED               | RED               |
| ORANGE            | ORANGE            | ORANGE            | ORANGE            |
| WHITE (1 Port)    | WHITE (1 Port)    | WHITE (1 Port)    | WHITE (1 Port)    |

**Beta RRH**

| Port 1<br>- Slant | Port 2<br>- Slant | Port 3<br>- Slant | Port 4<br>- Slant |
|-------------------|-------------------|-------------------|-------------------|
| BLUE              | BLUE              | BLUE              | BLUE              |
| ORANGE            | ORANGE            | ORANGE            | ORANGE            |
| WHITE (1 Port)    | WHITE (1 Port)    | WHITE (1 Port)    | WHITE (1 Port)    |

**Gamma RRH**

| Port 1<br>- Slant | Port 2<br>- Slant | Port 3<br>- Slant | Port 4<br>- Slant |
|-------------------|-------------------|-------------------|-------------------|
| GREEN             | GREEN             | GREEN             | GREEN             |
| ORANGE            | ORANGE            | ORANGE            | ORANGE            |
| WHITE (1 Port)    | WHITE (1 Port)    | WHITE (1 Port)    | WHITE (1 Port)    |

**Add Frequency Color to Sector Band**  
(CRBS will use Yellow bands)

**Mid-Band RRH -**  
(Add Bands N66-N70)

| Port 1<br>- Slant | Port 2<br>- Slant | Port 3<br>- Slant | Port 4<br>- Slant |
|-------------------|-------------------|-------------------|-------------------|
| RED               | RED               | RED               | RED               |
| PURPLE            | PURPLE            | PURPLE            | PURPLE            |
| WHITE (1 Port)    | WHITE (1 Port)    | WHITE (1 Port)    | WHITE (1 Port)    |

**Add Frequency Color to Sector Band**  
(CRBS will use Yellow bands)

**Hybrid/Discret Cables**

**Example 1**  
Include sector bands being supported along with frequency bands

|        |        |
|--------|--------|
| RED    | RED    |
| BLUE   | BLUE   |
| GREEN  | GREEN  |
| ORANGE | ORANGE |
| PURPLE | PURPLE |

**Example 2**  
Example 2 - Hybrid, or discreet, supports CRBS only, all sectors

|        |        |
|--------|--------|
| RED    | RED    |
| BLUE   | BLUE   |
| GREEN  | GREEN  |
| YELLOW | YELLOW |

**Fiber Jumpers to RRHs**

**Low Band RRH**  
Low Band RRH fiber cables have sector stripes only

|        |        |
|--------|--------|
| RED    | RED    |
| PURPLE | PURPLE |

**High Band RRH**

|        |        |
|--------|--------|
| RED    | RED    |
| PURPLE | PURPLE |

**Low Band RRH**

|        |        |
|--------|--------|
| BLUE   | BLUE   |
| PURPLE | PURPLE |

**High Band RRH**

|        |        |
|--------|--------|
| BLUE   | BLUE   |
| PURPLE | PURPLE |

**Low Band RRH**

|        |        |
|--------|--------|
| GREEN  | GREEN  |
| PURPLE | PURPLE |

**High Band RRH**

|        |        |
|--------|--------|
| GREEN  | GREEN  |
| PURPLE | PURPLE |

**Power Cables to RRHs**

**Low Band RRH**  
Low Band RRH power cables have sector stripes only

|        |        |
|--------|--------|
| RED    | RED    |
| PURPLE | PURPLE |

**High Band RRH**

|        |        |
|--------|--------|
| RED    | RED    |
| PURPLE | PURPLE |

**Low Band RRH**

|        |        |
|--------|--------|
| BLUE   | BLUE   |
| PURPLE | PURPLE |

**High Band RRH**

|        |        |
|--------|--------|
| BLUE   | BLUE   |
| PURPLE | PURPLE |

**Low Band RRH**

|        |        |
|--------|--------|
| GREEN  | GREEN  |
| PURPLE | PURPLE |

**High Band RRH**

|        |        |
|--------|--------|
| GREEN  | GREEN  |
| PURPLE | PURPLE |

**RET motors at Antennas**

**Port 1/ Antenna 1 IN**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

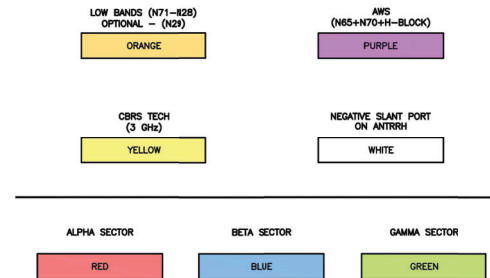
|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 OUT**

|       |       |
|-------|-------|
| RED   | RED   |
| WHITE | WHITE |

**Port 1/ Antenna 1 IN**

|     |     |
|-----|-----|
| RED | RED |
|-----|-----|



|       |   |
|-------|---|
| SCALE | 3 |
| NONE  |   |

|   |
|---|
| 2 |
|---|



RF-1





16812 ARMSTRONG AVE  
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IRVINE, CA 92606



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TO ALTER THIS DOCUMENT.

|           |           |     |
|-----------|-----------|-----|
| DRAWN BY: | UTILITIES | A/E |
| JY        | GD        | RB  |

RFDS REV #: 0

## CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                            |
|------------|----------|----------------------------|
| REV        | DATE     | DESCRIPTION                |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS  |
| 1          | 12/27/22 | 100% CONSTRUCTION DRAWINGS |
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| 4          | 03/15/23 | DRM COMMENTS               |
| 5          | 04/12/23 | EME REPORT                 |
| 6          | 04/18/23 | PLAN CHECK COMMENTS        |

DISH WIRELESS PROJECT INFORMATION  
**CAMARILLO OUTLETS**  
**LALAX02001C**  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

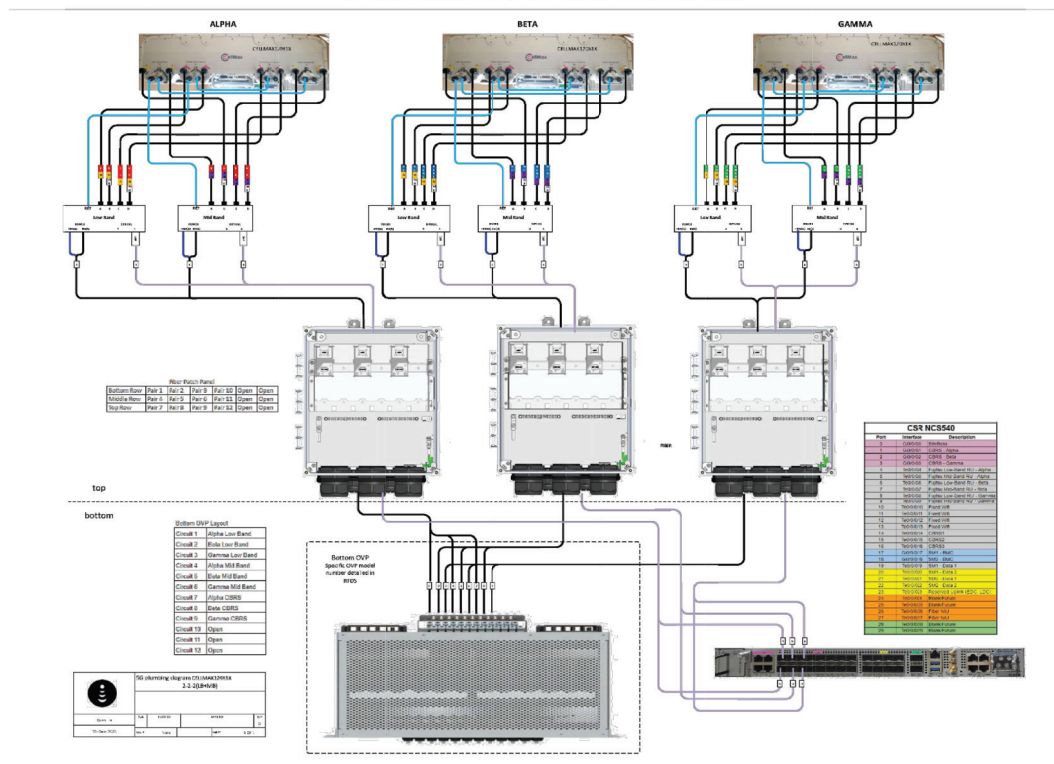
SHEET TITLE

**RF PLUMBING  
DIAGRAM NETWORK**

SHEET NUMBER

**RF-2**

## PLUMBING DIAGRAM



| BASIC UNIT |              |              |                 | SUPPLY/FAN SECTION |            |                 |             | ELECTRICAL DATA |         |        |
|------------|--------------|--------------|-----------------|--------------------|------------|-----------------|-------------|-----------------|---------|--------|
| UNIT NO.   | MANUFACTURER | MODEL        | NOMINAL TONNAGE | WEIGHT LBS.        | CFM SUPPLY | CFM OUTSIDE AIR | ESP IN W.C. | MOTOR HP        | VOLTAGE | MCA    |
| FC-1       | CARRIER      | 40AABH2422A3 | 1.0             | 25                 | 176-392    | -               | -           | -               | 208/180 | 0.3125 |
| FC-2       | CARRIER      | 40AABH2422A3 | 1.0             | 25                 | 176-392    | -               | -           | -               | 208/180 | 0.3125 |

| DOCKING SECTION |           |                |                         |     |     |     | NOTES     |
|-----------------|-----------|----------------|-------------------------|-----|-----|-----|-----------|
| UNIT NO.        | TYPE      | CAPACITY (MBH) | SENSIBLE CAPACITY (MBH) | EDB | EDW | LDW |           |
|                 |           |                |                         | "F" | "F" | "F" |           |
| FC-1            | HIGH WALL | 14.3           | 12.0                    | -   | -   | -   | SEE BELOW |
| FC-2            | HIGH WALL | 14.3           | 12.0                    | -   | -   | -   | SEE BELOW |

NOTES:

1. PROVIDE W/ ACCESSORY CONDENSATE PUMP (PIN 53D5-000-117), IF REQUIRED.
2. PROVIDE W/ FACTORY MOUNTING HARDWARE.
3. INDOOR UNIT POWERED BY OUTDOOR UNIT.

| UNIT NO. | CARRIER MODEL | CAPACITY (MBH) | REFRIGERANT | ELECTRICAL   |     |      | VOLTAGE | EFFICIENCY (EER / SEER) | ACCESSORIES |
|----------|---------------|----------------|-------------|--------------|-----|------|---------|-------------------------|-------------|
|          |               |                |             | WEIGHT (LBS) | MCA | MOPC |         |                         |             |
| CU-1     | 38MBAR12ZAA3  | 12.0           | R-410A      | 75           | 15  | 15   | 208/160 | 12.7 / 21.5             | SEE BELOW   |
| CU-2     | 38MBAR12ZAA3  | 12.0           | R-410A      | 75           | 15  | 15   | 208/160 | 12.7 / 21.5             | SEE BELOW   |

ACCESSORIES:

1. COMPRESSOR CYCLE DELAY PACKAGE.
2. AUTOMATIC RESET.

**TERMOSTAT**

EACH UNIT TO BE PROVIDED WITH ANOTHER THERMOSTAT PIN VOLD-302. MINIMUM THERMOSTAT AT 4°C/40°F.


























**SEQUENCE OF OPERATION**

HIGH WALL FAN COIL, OUT DOOR COILING ONLY:

1. THE SPACE WILL BE DIRECTLY CONTROLLED BY ITS OWN DEDICATED ALERXON WALL-MOUNTED BACNET COMMUNICATING CONTROLLER WITH LCD DISPLAY, SCREEN DISPLAY, LEAD/LAG SETUP, DUAL AC PACKAGE UNITS SWITCH WEEKLY TO WEEKLY TIME, 5 MINUTE ACTIVATION OF THE ROOM HIGH WALL TEMPERATURE ALARM, THE LEAD AC UNIT OPERATION SHALL SWITCH TO THE LAG AC UNIT.
2. COOLING OPERATION: THE CONTROLLER COMPARES THE COOLING SETPOINT WITH THE SPACE TEMPERATURE, AND DETERMINE ROOM MAINTAINANCE. THIS SIGNAL SHALL ACTIVATE THE LEAD AC UNIT TO MAINTAIN THE ROOM SETPOINT.
3. OPERATION: THE AC UNIT WILL OPERATE CONTINUOUSLY TO MAINTAIN THE ROOM SETPOINT.
4. MONITORING - THE FOLLOWING CONDITIONS SHALL BE MONITORED:
  - ROOM TEMPERATURE
  - ROOM HUMIDITY
  - CURRENT MODE (COOLING/FAN)
5. FAN STATUS THRU CURRENT SWITCH
6. ALARMS - THE FOLLOWING CONDITIONS SHALL TRIGGER A GENERAL ALARM AND AN EMAIL SHALL BE SENT TO THE SYSTEM OPERATOR:
  - IF THE ROOM TEMPERATURE IS GREATER THAN 5°F ABOVE SETPOINT FOR 5 MINUTES
  - IF FAN IS COMMAND ON AND FAN CURRENT SWITCH DETECTS FAN IS OFF.
  - IF FAN IS COMMAND OFF AND FAN CURRENT SWITCH DETECTS FAN IS ON.

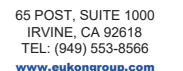
### GENERAL NOTES

- ## HVAC LEGEND

| SYMBOL  | DESCRIPTION                                | SYMBOL  | DESCRIPTION              |
|---|--|---|--------------------------|
|  | SA DUCT RISER OR DROP                      | AD  | ACCESS DOOR              |
|  | RA DUCT RISER OR DROP                      | AFD  | AUTOMATIC FIRE DAMPER    |
|  | EA DUCT RISER OR DROP                      | AFF   | ABOVE FINISHED FLOOR     |
|  | CEILING DIFFUSER                           | AP  | ACCESS PANEL             |
| SWR   | SUPPLY WALL REGISTER                       | B.D.  | BAROMETRIC DAMPER        |
|  | RA GRILL/REGISTER                          | C.A.  | COMBUSTION AIR           |
|  | EA GRILL/REGISTER                          | C.B.  | CIRCUIT BREAKER          |
|  | ROOM THERMOSTAT                            | DTF   | DUCT THROUGH FLOOR       |
|  | HUMIDISTAT                                 | DTR   | DUCT THROUGH ROOF        |
|  | BY-PASS CONTROLLER                         | DTW   | DUCT THROUGH WALL        |
|  | ROOM SENSOR                                | (DW)  | DOUBLE WALL CONSTRUCTION |
|  | TEMPERATURE SENSOR                         | E.A.  | EXHAUST AIR              |
|  | REMOTE TEST STATION                        | (E)   | EXISTING                 |
|  | SWITCH                                     | FLEX CONN   | FLEXIBLE CONNECTION      |
|  | DUCT SMOKE DETECTOR                        | FSD  | AUTO. FIRE/SMOKE DAMPER  |
|  | FURNISHED AND INSTALLED BY ELEC CONTRACTOR | M.A.  | MIXED AIR                |
|  | FURNISHED AND INSTALLED BY MECH CONTRACTOR | MVD  | MANUAL VOLUME DAMPER     |
|   |  | (N)   | NEW                      |
|   |  | OSA   | OUTSIDE AIR              |
|  | SOUND LINE                                 | POC  | POINT OF CONNECTION      |
|  | DOOR LOUVER                                | POD  | POINT OF DISCONNECTION   |
|  | UNDERCUT DOOR                              | R.A.  | RETURN AIR               |
|  | MOTORIZED DAMPER                           | SL  | SUPPLY AIR               |
|   |  | (SL)  | SOUND LINE               |
|   |  | (TYP)   | TYPICAL                  |
|   |  | U.O.N.  | UNLESS OTHERWISE NOTED   |
|   |  | UTR   | UP THROUGH ROOF          |
|   |  | VTR   | VENT THROUGH ROOF        |

- 2019 CALIFORNIA BUILDING CODE WITH STATEWIDE AMENDMENTS
- ICC/ANSI A117-1.09, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES WITH STATEWIDE AMENDMENTS
- 2019 CALIFORNIA MECHANICAL CODE WITH STATEWIDE AMENDMENTS
- 2019 NATIONAL FUEL GAS CODE (NFPA 54) FOR LP GAS
- 2019 CALIFORNIA FIRE CODE WITH STATEWIDE AMENDMENTS
- 2019 CALIFORNIA PLUMBING CODE WITH STATEWIDE AMENDMENTS
- 2019 CALIFORNIA ENERGY CONSERVATION CODE/CALIFORNIA STATE ENERGY CODE

16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606



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OF THE LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

|           |                          |                    |
|-----------|--------------------------|--------------------|
| DRAWN BY: | UTILITIES<br>CHECKED BY: | A&E<br>CHECKED BY: |
| JY        | GD                       | RB                 |

RFDS REV #: 0

## SUBMITTALS

[illegible]

## DISH WIRELESS PROJECT INFORMATION

## CAMARILLO OUTLETS

LALAX02001C

740 VENTURA BLVD. STE. 502

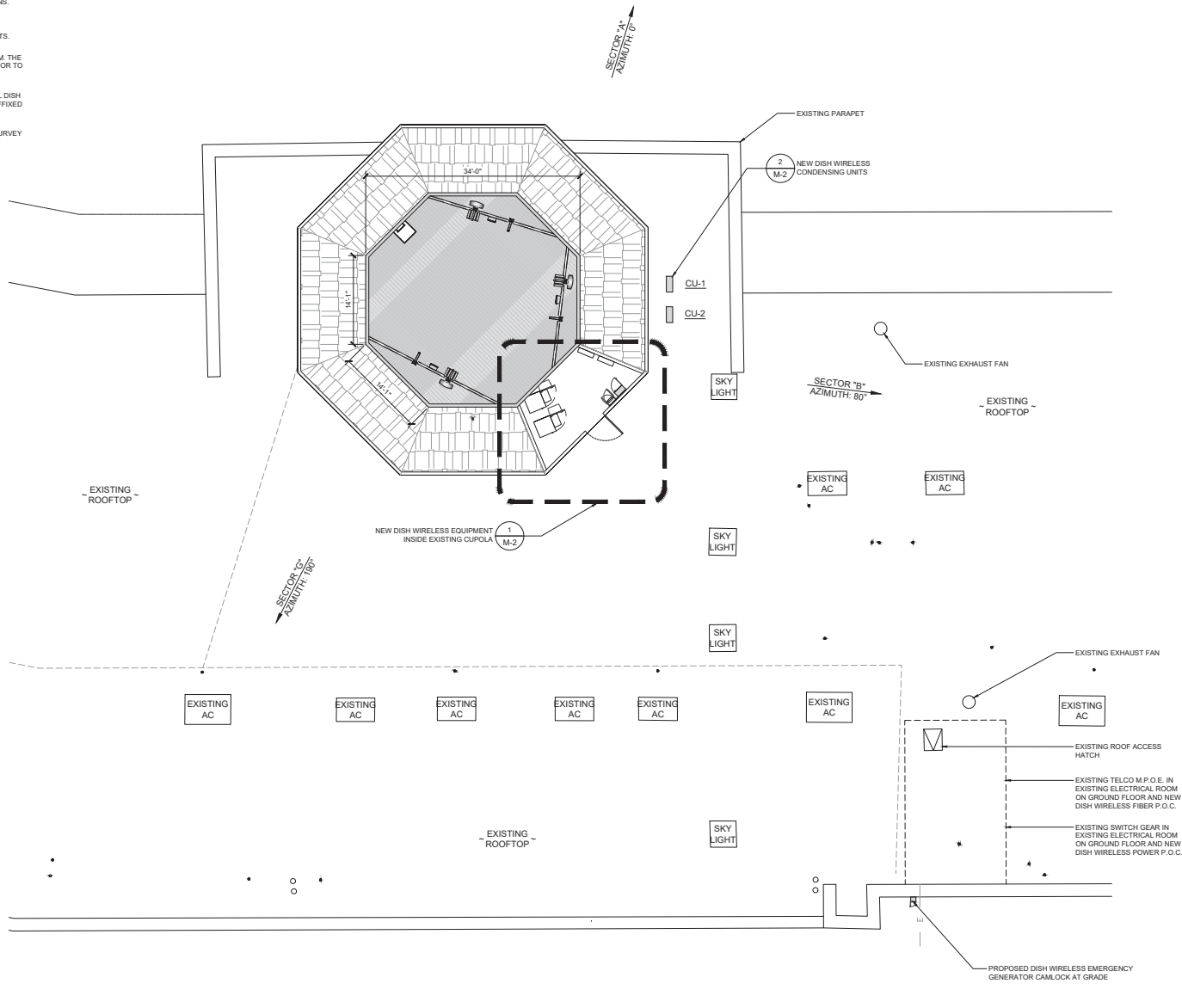
SHEET TITLE  
**GENERAL  
MECHANICAL  
INFORMATION**

SHEET NUMBER

M-0

NOTES:

1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
3. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE NEW GPS UNIT TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
4. CONTRACTOR TO VERIFY WITH DISH WIRELESS C.M. THE LOCATION OF THE POWER AND FIBER SOURCE PRIOR TO CONSTRUCTION.
5. UTILITY RUBBER MAT TO BE INSTALLED UNDER ALL DISH WIRELESS EQUIPMENT THAT IS RESTING ON OR AFFIXED TO ROOF MEMBRANE.
6. THIS SITE PLAN IS NOT INTENDED TO BE A LAND SURVEY



16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606



65 POST, SUITE 1000  
IRVINE, CA 92618  
TEL: (949) 553-8566  
[www.eukongroup.com](http://www.eukongroup.com)



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|-----------|-----------------------|-----------------|
| DRAWN BY: | UTILITIES CHECKED BY: | A&E CHECKED BY: |
| JY        | GD                    | RB              |

RFDS REV #: 0

CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                           |
|------------|----------|---------------------------|
| REV        | DATE     | DESCRIPTION               |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS |
|            |          |                           |
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DISH WIRELESS PROJECT INFORMATION

CAMARILLO OUTLETS  
LALAX02001C  
740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE  
PARTIAL ROOF PLAN

SHEET NUMBER  
M-1

EUKON DISH TEMPLATE 06-07-21-21

PARTIAL ROOF PLAN



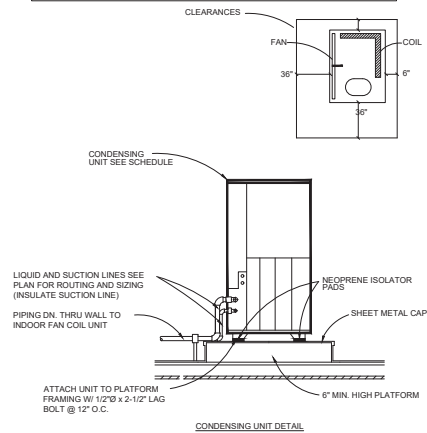
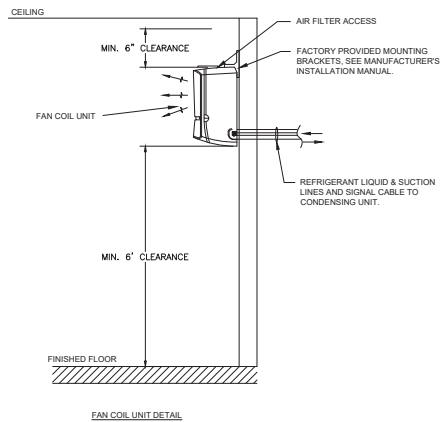
EUKON DISH TEMPLATE 05-07-21-21

NOT USED

SCALE  
NONE 3

NOTES:  
1. MAINTAIN CLEARANCES AROUND UNIT AS RECOMMENDED BY THE MANUFACTURER.  
2. SEE MFR. ACCESSORY CONDENSATE PUMP INSTALLATION INSTRUCTIONS.

NOTE: VERIFY AND MAINTAIN MINIMUM OPERATIONAL CLEARANCE AS DEFINED BY MANUFACTURER'S INSTALLATION MANUAL. VERIFY POTENTIAL STRUCTURAL OBSTRUCTIONS PRIOR TO INSTALLATION OF NEW CEILING-MOUNTED EXHAUST FAN.

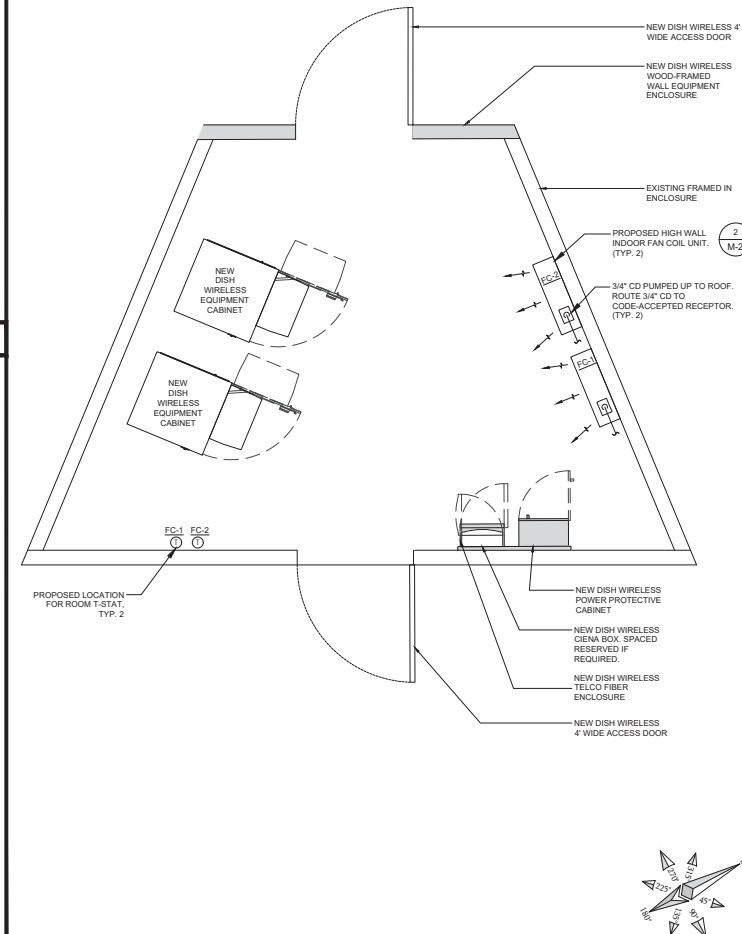


MECHANICAL EQUIPMENT DETAIL

SCALE  
NONE 2

MECHANICAL PLAN

SCALE  
1/2\"/>



**dish**  
wireless.

16812 ARMSTRONG AVE  
SUITE 200  
IRVINE, CA 92606

**Eukon**  
an SFC Communications, Inc. Company

65 POST, SUITE 1000  
IRVINE, CA 92618  
TEL: (949) 553-8566  
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| DRAWN BY: | UTILITIES CHECKED BY: | A/E CHECKED BY: |
| JY        | GD                    | RB              |

RFDS REV #: 0

## CONSTRUCTION DRAWINGS

| SUBMITTALS |          |                           |
|------------|----------|---------------------------|
| REV        | DATE     | DESCRIPTION               |
| 0          | 12/07/22 | 90% CONSTRUCTION DRAWINGS |
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DISH WIRELESS PROJECT INFORMATION

**CAMARILLO OUTLETS**

**LALAX02001C**

740 VENTURA BLVD. STE. 502  
CAMARILLO, CA 93010

SHEET TITLE  
**MECHANICAL PLAN  
AND DETAIL**

SHEET NUMBER

**M-2**



# CAMARILLO OUTLETS

SITE #: LALAX02001C  
CUPOLA

LOCATION:

740 VENTURA BOULEVARD  
CAMARILLO, CA 93010  
VENTURA COUNTY

## DRAWING INDEX

T1 TITLE SHEET  
N1 NOTES & SPECIFICATIONS  
S1 ELEVATION & PLAN VIEW  
S2 ENCLOSURE PLAN VIEWS  
S3-S5 DETAILS



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Temecula, CA 92592  
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DATE: 12/6/22 DESIGNED: MAR DRAFTER: MAR

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DISH WIRELESS

TITLE SHEET

CAMARILLO OUTLETS  
SITE #: LALAX02001C  
CUPOLA

740 VENTURA BOULEVARD  
CAMARILLO, CA 93010  
VENTURA COUNTY



12/06/2022

U1085.1831.221

T1

REV  
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DESIGN CRITERIA

STRUCTURAL DESIGN IS BASED ON THE CALIFORNIA BUILDING CODE, 2019 EDITION (2018 IBC) AND THE ASCE 7-16 STANDARD

DESIGN LOADS:

• **WIND:**

- WIND SPEED = 93 MPH (3-SEC GUST) PER THE ASCE 7-16 STANDARD
- RISK CATEGORY: **II**
- EXPOSURE: C
- ELEVATION = 100 FT ABOVE SEA LEVEL

• **SEISMIC:**

- IMPORTANCE FACTOR: 1.00
- RISK CATEGORY: **II**
- MAPPED SPECTRAL RESPONSE ACCELERATIONS:
  - $S_s = 1.700g$ ,  $S_1 = 0.629g$
- SITE CLASS: D
- SPECTRAL RESPONSE COEFFICIENTS:
  - $S_{DS} = 1.360g$ ,  $S_{D1} = 0.713g$
- SEISMIC DESIGN CATEGORY: D

STRUCTURAL STEEL

1. ALL STEEL RECTANGULAR TUBES (HSS) SHALL CONFORM w/ ASTM A500 GR. B (46 KSI), U.N.O.
2. ALL OTHER STEEL SHAPES & PLATES SHALL CONFORM w/ ASTM A36, U.N.O.
3. ALL BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL CONFORM w/ ASTM F3125 GR. A325, U.N.O.
4. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND PROCEDURES OF THE AMERICAN WELDING SOCIETY (AWS) BY CERTIFIED WELDERS PER AWS D1.1. WELDS SHALL BE PERFORMED WITH MINIMUM E70XX LOW-HYDROGEN ELECTRODE EXCEPT WHERE HIGHER STRENGTH ELECTRODE IS REQUIRED BY AWS D1.1.
5. ALL STEEL SURFACES SHALL BE GALVANIZED IN ACCORDANCE w/ ASTM A123 AND ASTM F2329 STANDARDS.
6. ALL STRUCTURAL BOLTS SHALL BE TIGHTENED PER AN APPROVED PRETENSIONING METHOD AS DEFINED BY AISC, FOR EASE OF INSPECTION, THE "TURN-OF-NUT" METHOD AS DEFINED BY AISC WITH MATCH-MARKING TECHNIQUES IS RECOMMENDED.
7. ALL BOLT HOLES SHALL BE STANDARD SIZE PER TABLE J3.3 OF AISC U.N.O. WASHERS ARE REQUIRED FOR ANY CONNECTION THAT HAS LARGER THAN STANDARD SIZED BOLT HOLES.
8. ALL HEAVY HEX NUTS SHALL BE ASTM A563 GR. C OR DH OR EQUIVALENT.
9. ALL HARDENED WASHERS SHALL BE ASTM F436 OR EQUIVALENT.

FRP

1. FRP STRUCTURAL SHAPES SHALL BE STRONGWELL EXTREN SERIES 500/525 MANUFACTURED USING THE PULTRUSION PROCESS.
2. ALL FIELD CUT OR DRILLED EDGES OF FRP STRUCTURAL MEMBERS TO BE COATED BY OTHERS WITH RESIN OR ACRYLIC SEALER COMPATIBLE WITH THE RESIN MATRIX USED IN THE STRUCTURAL SHAPE.
3. IF PREFABRICATED MEMBERS DO NOT ASSEMBLE PER PLAN, CONTACT SOLAR COMMUNICATIONS INTERNATIONAL, INC. BEFORE CUTTING OR ALTERING FABRICATED MEMBERS.
4. FRP STRUCTURAL MEMBERS SHALL BE FABRICATED AND ASSEMBLED AS INDICATED ON THE DRAWINGS.
5. THE CONTRACTOR SHALL PROTECT THE FRP STRUCTURAL MEMBERS FROM ABUSE TO PREVENT BREAKAGE, NICKS, GOUGES, ETC. DURING FABRICATION, HANDLING, AND INSTALLATION.
6. FRP BOLTS SHOULD BE TIGHTENED AND LOCKED WITH EPOXY.
7. FRP OR STEEL BOLTS THROUGH FRP MEMBERS SHALL MEET THE FOLLOWING SPACING AND EDGE DISTANCE REQUIREMENTS, MEASURED FROM BOLT CENTERS:
  - MIN. BOLT SPACING = 4 TIMES BOLT DIA.
  - MIN. EDGE DIST = 3 TIMES BOLT DIA. IN DIRECTION OF PULTRUSION
  - MIN. EDGE DIST = 2 TIMES BOLT DIA. PERPENDICULAR TO DIRECTION OF PULTRUSION

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY SITE OR LAYOUT RESTRICTIONS. SITE CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF SCL, INC. PRIOR TO BEGINNING PROJECT. ALL WORK SHALL BE PERFORMED USING ACCEPTED CONSTRUCTION PRACTICES.
2. CONTRACTOR TO VERIFY MATERIALS PROVIDED BY SCL PRIOR TO INSTALLATION. ALL ENGINEERING PLANS, DRAWINGS, DESIGNS, CALCULATIONS AND SPECIFICATIONS (COLLECTIVELY, "PLANS") ARE DESIGNED TO THE PROPRIETARY MANUFACTURING SPECIFICATIONS OF SOLAR COMMUNICATIONS INTERNATIONAL, INC. ("SCI") INTENDED AND AUTHORIZED SOLELY FOR USE WITH PRODUCT PRODUCED BY SCL. UNAUTHORIZED USE IS STRICTLY PROHIBITED. CUSTOMER AGREES TO DEFEND, INDEMNIFY AND HOLD SCL HARMLESS FROM AND AGAINST ANY AND ALL DEMANDS, CLAIMS, SUITS, PROCEEDINGS, LOSSES, LIABILITIES, DAMAGES, FEES, COSTS AND EXPENSES (INCLUDING, WITHOUT LIMITATION, REASONABLE ATTORNEYS' FEES AND COSTS) ARISING FROM OR RELATING TO ANY UNAUTHORIZED USE OF SCL'S PLANS BY CUSTOMER.
3. NO FIELD MODIFICATIONS MAY BE MADE TO RFRTRANSPARENT PANELS WITHOUT THE EXPRESS WRITTEN CONSENT FROM THE ENGINEER OF RECORD, SCL, INC. AND ENGINEER OF RECORD ASSUME NO RESPONSIBILITY FOR THE STRUCTURE IF ALTERATIONS AND/OR ADDITIONS ARE MADE TO THE DESIGN AS SHOWN IN THESE DRAWINGS.
4. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL LOCAL CODES, REGULATIONS, AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK TO THE BEST OF HIS/HER ABILITY AND SKILL. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND SEQUENCES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
6. THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS, OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING SAME, WHETHER SHOWN OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, FORMWORK, ETC., AND SHALL CONFORM TO ALL NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES, IN ORDER TO SAFELY EXECUTE ALL STAGES OF WORK TO COMPLETE THIS PROJECT.
7. IT IS THE INTENT OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION OF THE STRUCTURE SHOWN.
8. CONTRACTOR ASSUMES RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS NOT LIMITED TO NORMAL WORKING HOURS.
9. CONTRACTOR TO HOLD ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK ON THIS PROJECT.
11. WEATHER PROOFING AND/OR FLASHING TO BE PROVIDED BY CONTRACTOR AS REQUIRED.
12. ALL FRP MEMBERS TO BE FIELD-CUT BY OTHERS.
13. ALL FRP MEMBERS AND PANELS TO BE SUPPLIED BY SCL. ALL STEEL MEMBERS TO BE SUPPLIED BY CONTRACTOR.

SPECIAL INSPECTIONS

1. STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED AS REQUIRED BY THE BUILDING OFFICIAL TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. ALTERNATIVELY, SPECIAL INSPECTION OF MATERIALS, WELDING, AND FABRICATION PROCEDURES SHALL BE REQUIRED FOR FABRICATION BY AN UNAPPROVED FABRICATOR.
2. NO FIELD WELDING SHALL BE PERMITTED
3. THE FOLLOWING SPECIAL INSPECTIONS SHALL BE REQUIRED PER CHAPTER 17 OF THE BUILDING CODE:
  - SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING (WHEN APPLICABLE):
    - PERIODIC SPECIAL INSPECTION IF BOLTS ARE PRETENSIONED WITH MATCH-MARKING TECHNIQUES
    - CONTINUOUS SPECIAL INSPECTION OF ALL OTHER HIGH-STRENGTH BOLTING
4. SPECIAL INSPECTION IS NOT REQUIRED FOR WORK OF A MINOR NATURE OR AS WARRANTED BY CONDITIONS IN THE JURISDICTION AS APPROVED BY THE BUILDING OFFICIAL. THUS, SPECIAL INSPECTION ITEMS ABOVE MAY BE WAIVED AS DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.

STRUCTURAL OBSERVATION

NO STRUCTURAL OBSERVATION IS REQUIRED.

DISCLAIMERS

1. ALL STRUCTURAL COMPONENTS TO BE CONNECTED TOGETHER SHALL BE COMPLETELY FIT UP ON THE GROUND OR OTHERWISE VERIFIED FOR COMPATIBILITY PRIOR TO LIFTING ANY COMPONENT INTO PLACE, REPAIRS REQUIRED DUE TO FIT-UP OR CONNECTION COMPATIBILITY PROBLEMS AFTER PARTIAL ERECTION ARE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.
2. SOME TELECOMMUNICATION STRUCTURES ARE SUSCEPTIBLE TO WIND-INDUCED OSCILLATIONS. OSCILLATIONS MAY OCCUR AT LOW OR MODERATE WIND SPEEDS AND MAY CAUSE STRUCTURAL DAMAGE. ITA PROVIDES NO PRACTICAL ANALYTICAL METHOD TO PREDICT AND PREVENT WIND-INDUCED STRUCTURAL OSCILLATIONS. VECTOR STRUCTURAL ENGINEERING RECOMMENDS FREQUENT MONITORING TO IDENTIFY WIND-INDUCED OSCILLATION AND REGULAR CONDITION ASSESSMENTS TO IDENTIFY FATIGUE CRACKING, LOOSE OR MISSING BOLTS, AND ANY OTHER STRUCTURAL DEFECTS. ANY OSCILLATION OR DEFECTS OBSERVED SHALL BE IMMEDIATELY REPORTED TO VECTOR STRUCTURAL ENGINEERING FOR FURTHER EVALUATION AND POSSIBLE REPAIRS OR MODIFICATIONS WHICH MAY BE REQUIRED AT THE OWNER'S EXPENSE.



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| DATE: 12/6/22 | DESIGNED: MAR | DRAWER: MAR |
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| REVISIONS     |               |             |
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DISH WIRELESS

NOTES & SPECIFICATIONS

CAMARILLO OUTLETS

SITE #: LALAX02001C

CUPOLA

740 VENTURA BOULEVARD  
CAMARILLO, CA 93010  
VENTURA COUNTY



12/06/2022

U1085.1831.221

N1

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0



WOOD FRAMING

A. WOOD

- 1. FRAMING LUMBER:  
DOUGLAS FIR LARCH NO. 2 GRADE IDENTIFIED BY THE GRADING OR INSPECTION AGENCY THAT HAS BEEN APPROVED BY AN ACCREDITATION BODY THAT COMPLIES WITH DOC PS 20. GRADING PRACTICES AND IDENTIFICATION SHALL COMPLY WITH RULES PUBLISHED BY AN AGENCY APPROVED IN ACCORDANCE WITH THE PROCEDURES OF DOC PS 20
- 2. BOLT HOLES SHALL BE 1/16" MAXIMUM LARGER THAN THE BOLT SIZE. RE-TIGHTEN ALL NUTS PRIOR TO CLOSING IN.
- 3. ALL SILLS OR PLATES RESTING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR. BOLTS SHALL BE PLACED 9 INCHES FROM THE END OF A PLATE, OR FROM A NOTCH GREATER THAN 1/2 THE WIDTH OF THE PLATE, AND SPACED AT INTERVALS NOTED.
- 4. DO NOT NOTCH JOISTS, RAFTERS OR BEAMS EXCEPT WHERE SHOWN IN DETAILS. OBTAIN ENGINEER'S APPROVAL FOR ANY HOLES OR NOTCHES NOT DETAILED.
- 5. CONNECTION HARDWARE SHALL BE BY SIMPSON STRONG-TIE, OR ICC APPROVED EQUAL.
- 6. FASTENING SCHEDULE PER 2016 EDITION OF THE CALIFORNIA BUILDING CODE, TABLE NO. 2304.3.1, UNLESS NOTED OTHERWISE.
- 7. ALL NAILS, BOLTS, HOLD-DOWNS, STRAPS OR OTHER STEEL FASTENERS IN CONTACT WITH PRESSURE TREATED TIMBER SHALL BE HOT-DIPPED GALVANIZED, STAINLESS STEEL OR OTHERWISE TREATED OR ISOLATED TO PREVENT CHEMICAL ATTACK. CONTRACTOR SHALL VERIFY TREATMENT METHOD AND CONFIRM APPROPRIATE CORROSION RESISTANCE BE PROVIDED IN ACCORDANCE WITH HARDWARE SUPPLIER RECOMMENDATIONS.

B. WOOD STRUCTURAL PANELS

- 1. ALL WOOD STRUCTURAL PANELS SHALL BE PLYWOOD OR APA RATED ORIENTED STRAND BOARD. PANELS SHALL BEAR THE STAMP OF AN APPROVED AGENCY. SPAN/INDEX RATING: 24/0. FASTENING SHALL BE INDICATED ON THE PLANS.
- 2. WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS FOR THEIR TYPE IN DOC PS 1 OR DOC PS 2. EACH PANEL SHALL BE IDENTIFIED FOR GRADE, BOND CLASSIFICATION, AND PERFORMANCE CATEGORY BY THE TRADEMARKS OF AN APPROVED TESTING AND GRADING AGENCY.
- 3. ALL PLYWOOD SHALL BE C-D INTERIOR SHEATHING WITH EXTERIOR GLUE. PLYWOOD SHALL BE 4-PLY, MINIMUM.



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DISH WIRELESS

NOTES & SPECIFICATIONS

CAMARILLO OUTLETS  
SITE #: LALAX02001C  
CUPOLA  
740 VENTURA BOULEVARD  
CAMARILLO, CA 93010  
VENTURA COUNTY



12/06/2022

U1085.1831.221

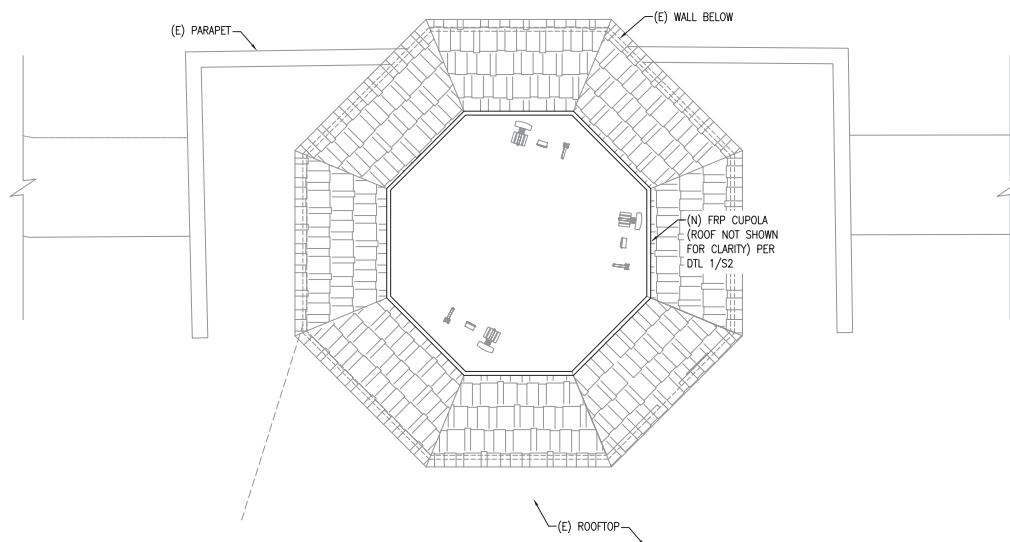
N2

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ELEVATION VIEW  
N.T.S.

1



PLAN VIEW  
N.T.S.

2



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DISH WIRELESS

ELEVATION & PLAN VIEW

CAMARILLO OUTLETS

SITE #: LALAX02001C

CUPOLA

740 VENTURA BOULEVARD

CAMARILLO, CA 93010

VENTURA COUNTY



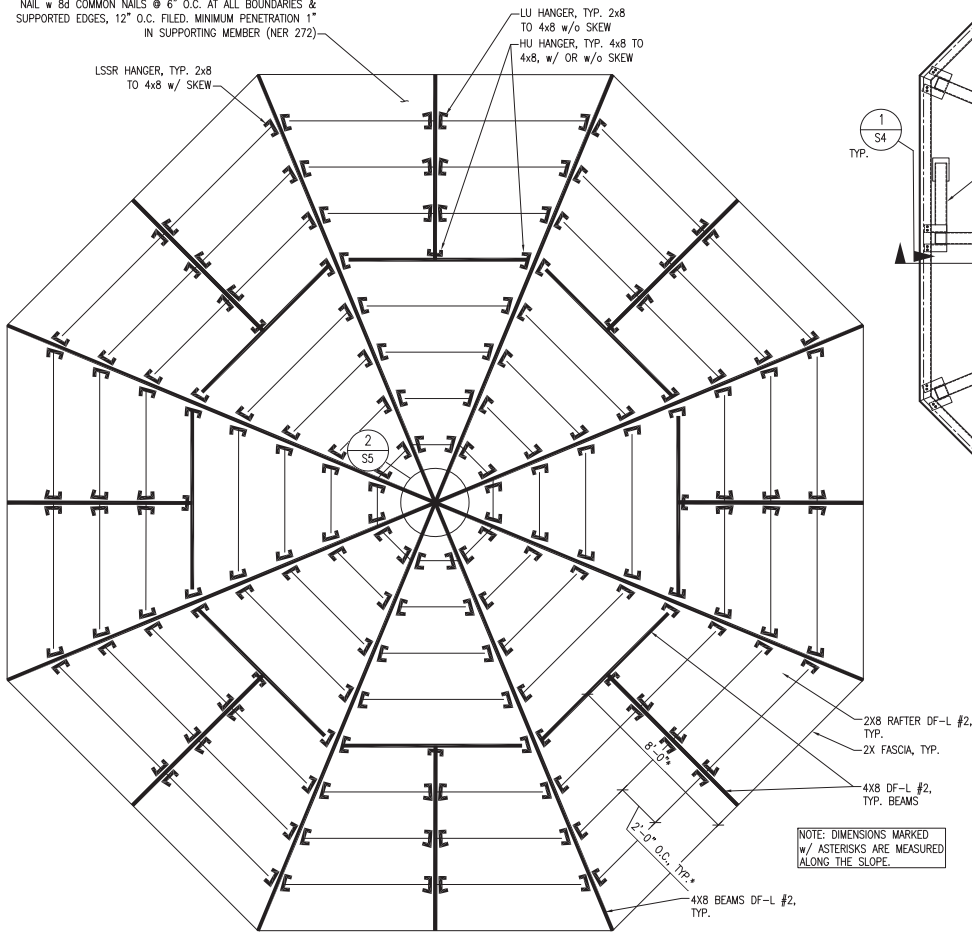
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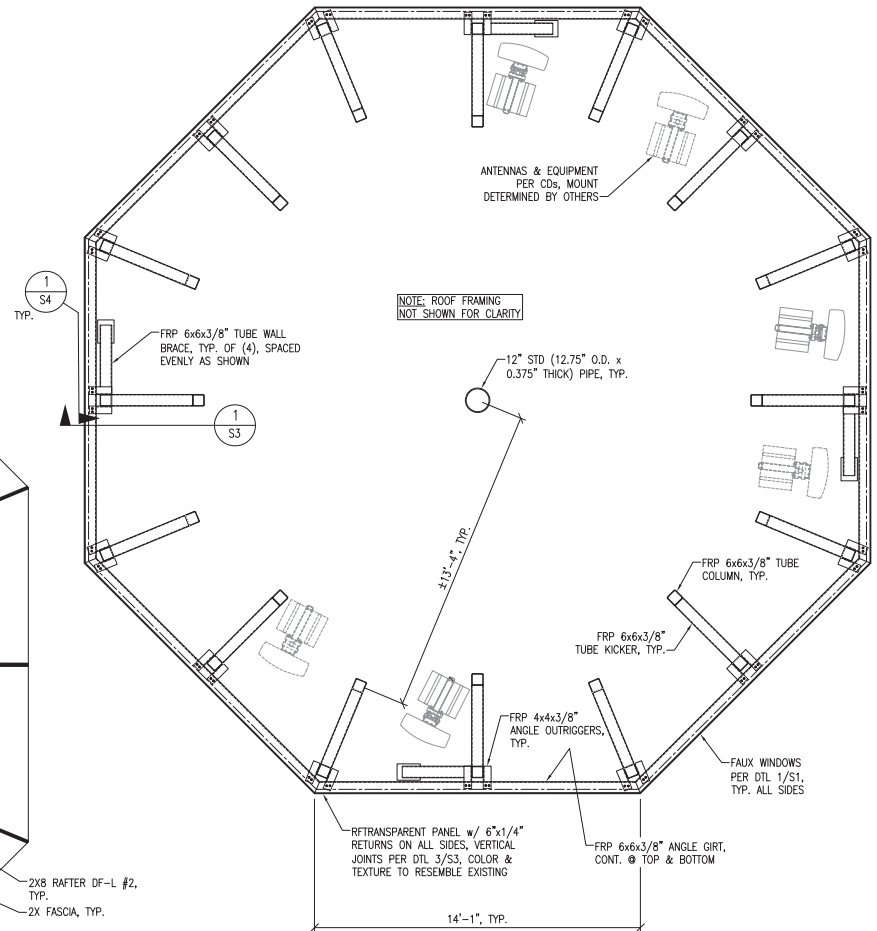
S1

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0

7/16" WOOD STRUCTURAL PANEL: PLYWOOD OR ORIENTED STRAND BOARD (O.S.B.) PANEL INDEX = 32/16, UNBLOCKED NAIL w/ 8d COMMON NAILS @ 6" O.C. AT ALL BOUNDARIES & SUPPORTED EDGES, 12" O.C. FLEED, MINIMUM PENETRATION 1" IN SUPPORTING MEMBER (NER 272)



ROOF FRAMING PLAN



FRP & STEEL FRAMING PLAN



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DISH WIRELESS

ENCLOSURE PLAN VIEWS

CAMARILLO OUTLETS  
SITE #: LALAX02001C  
CUPOLA

740 VENTURA BOULEVARD  
CAMARILLO, CA 93010  
VENTURA COUNTY



12/06/2022

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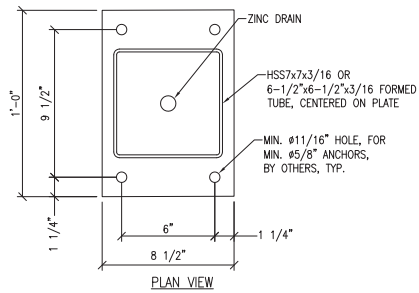
ENCLOSURE PLAN VIEWS  
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1

**NOTES:**

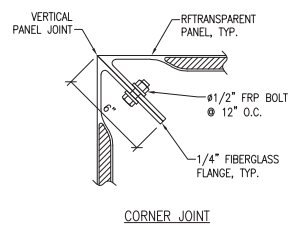
1. VERIFY SNUG FIT OF FRP INSIDE OF STEEL SLEEVE, ADD SHIMS AS NEEDED FOR TIGHT FIT.
2. ALL STEEL MEMBERS TO BE SUPPLIED BY CONTRACTOR.
3. VERIFY COMPATIBILITY BETWEEN COLUMN BASE ASSEMBLY AND SUPPORTING NEW OR EXISTING STRUCTURE PRIOR TO FABRICATION.

1. VERIFY SNUG FIT OF FRP INSIDE OF STEEL SLEEVE, ADD SHIMS AS NEEDED FOR TIGHT FIT.
2. ALL STEEL MEMBERS TO BE SUPPLIED BY CONTRACTOR.
3. VERIFY COMPATIBILITY BETWEEN COLUMN BASE ASSEMBLY AND SUPPORTING NEW OR EXISTING STRUCTURE PRIOR TO FABRICATION.



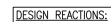
N.T.S.

(2)



N.T.S.

(3)



DESIGN REACTIONS:  
 $R_1$  (UP) = 3,235 lb (0.6D + 0.6W)  
 $R_1$  (DOWN) = 5,900 lb (1.0D + 0.6W)  
 $V_1$  = 3,565 lb (0.6W), ANY HORIZ. DIRECTION

APPROXIMATE WEIGHT OF EACH STRUCTURE: 44,190 lb  
(EXCLUDES WEIGHT OF ANTENNAS & EQUIPMENT)

THE DESIGN REACTIONS LISTED ABOVE ARE TYPICAL AT ALL COLUMN & KICKER CONNECTIONS TO THE EXISTING ROOF. IT IS THE RESPONSIBILITY OF OTHERS TO DETERMINE THE ADEQUACY OF THE EXISTING BUILDING TO SUPPORT THE REFRANSPARENT<sup>TM</sup> ENCLOSURE FOR THE DESIGN REACTIONS LISTED ABOVE. THE CONNECTION OF THE NEW ENCLOSURES TO THE EXISTING ROOF TO BE DETERMINED BY OTHERS FOR THE DESIGN REACTIONS LISTED ABOVE.

N.T.S.

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## DETAILS

CAMARILLO OUTLETS

SITE #: LALAX02001C  
CUOLA

740 VENTURA BOULEVARD  
CAMARILLO, CA 93010  
VENTURA COUNTY



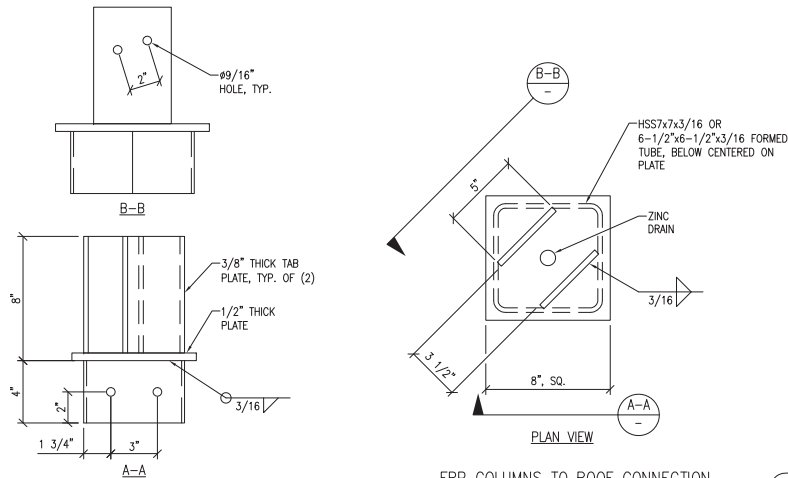
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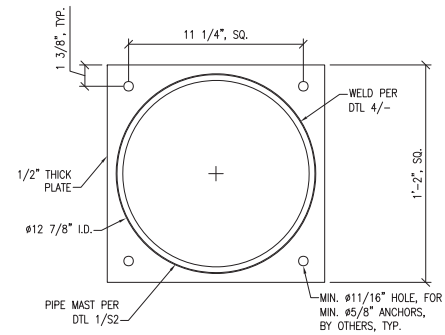
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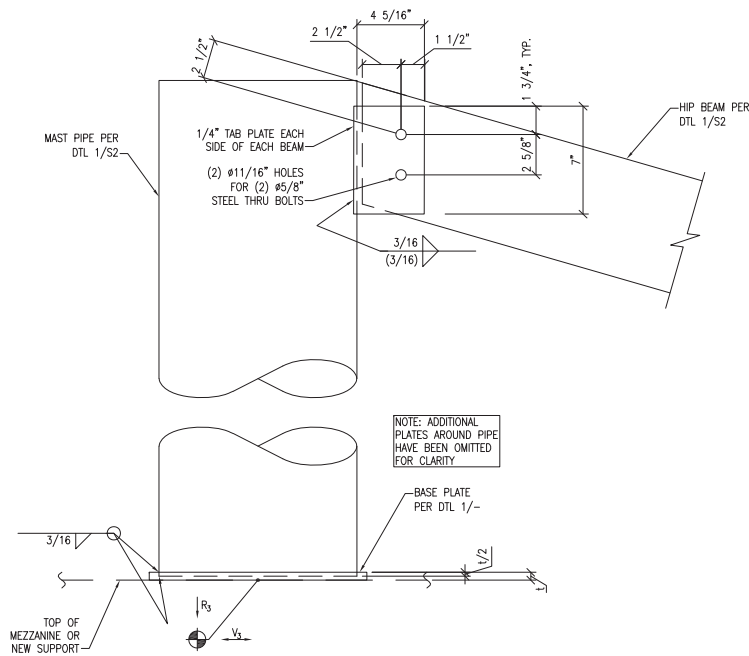
FRP COLUMNS TO ROOF CONNECTION  
N.T.S.

3



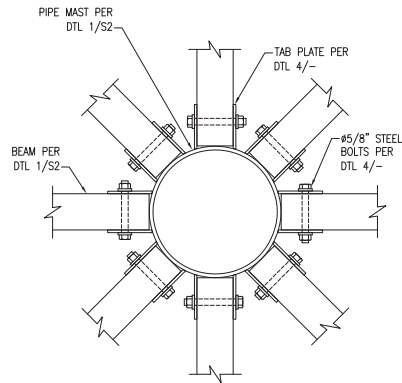
CENTRAL PIPE CONNECTION  
N.T.S.

1



CENTER MAST CONNECTION  
N.T.S.

4



CENTER MAST CONNECTION  
N.T.S.

2

DESIGN REACTIONS:  
 $R_D$  (DOWN) = 6,650 lb (1.00 + 0.7E)  
 $V_D$  = 155 lb (0.6W), ANY HORIZ. DIRECTION

THE DESIGN REACTIONS LISTED ABOVE ARE TYPICAL AT CENTER MAST PIPE CONNECTION TO THE EXISTING ROOF. IT IS THE RESPONSIBILITY OF OTHERS TO DETERMINE THE ADEQUACY OF THE EXISTING BUILDING TO SUPPORT THE R/TRANSPARENT™ ENCLOSURE FOR THE DESIGN REACTIONS LISTED ABOVE. THE CONNECTION OF THE NEW ENCLOSURES TO THE EXISTING ROOF TO BE DETERMINED BY OTHERS FOR THE DESIGN REACTIONS LISTED ABOVE.



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DISH WIRELESS

DETAILS

CAMARILLO OUTLETS

SITE #: LALAX02001C  
CUPOLA

740 VENTURA BOULEVARD  
CAMARILLO, CA 93010  
VENTURA COUNTY



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**CUP-421  
PROJECT CONDITIONS**

The developer must comply with the following conditions.

**LAND DEVELOPMENT**

1. A grading plan and grading permit are not required for the project scope as presented. Changes to the scope of the project at submittal of building plans or during construction may require a grading plan and grading permit to be submitted for review and approval by the Department of Public Works for issuance of a grading permit.

**STORMWATER QUALITY**

2. Development must be undertaken in accordance with conditions and requirements in the Waste Discharge Requirements and National Pollutant Discharge Elimination System (NPDES) Permit for Municipal Separate Storm Sewer System (MS4) Discharges within the Coastal Watersheds of Los Angeles and Ventura Counties, Permit No. CAS004004, Board Order R4-2021-0105. In accordance with the NPDES permit, the following minimum requirements should be met on the construction site:
  - a. Sediments generated on the project site shall be retained using structural drainage controls. Controls such as silt fences, sand bag barriers and stabilized construction entrances/exits shall be applied as needed to prevent sediment runoff.
  - b. No construction-related materials, wastes, spills, or residues shall be discharged from the project site to streets, drainage facilities or adjacent properties by wind or runoff.
  - c. Materials and stockpiles shall be stored inside or if outside, under cover and on pallets to avoid exposure to stormwater.
  - d. Non-stormwater runoff from equipment and vehicle washing and any other activity shall be contained at the project site.
  - e. Concrete wastes shall be managed per best management practice WM-8 of the CASQA BMP Construction handbook, available at [www.casq.aorg](http://www.casq.aorg). Or obtain from the City's stormwater division at 805-383-5659.
  - f. Trash receptacles shall be maintained and covered at end of each day.
3. No architectural copper should be used that is exposed to stormwater runoff. This area drains to a watershed that has been listed by the State Water Resources Control Board as being impaired for copper per Los Angeles Regional Water Quality Control Board Resolution No. 2006-012.

\* - Project Condition Modified  
\*\* - New Condition  
MC - Mitigation Condition

CS - City Security Required  
SS - Sanitary Security Required  
GS - Grading Security Required  
MS - Maintenance Security Required

4. All exterior metal building surfaces, including roofs, must be with rust-inhibitive paint to prevent corrosion and release of metal contaminants into the storm drain system prior to occupancy.
5. All property areas must be maintained free of litter/debris.
6. There must be no pressure washing of roofs, building surfaces, parking areas, or building site with discharges to the street, curb/gutter or storm drain, unless the City approves a collection system to keep water from entering the storm drain.

\* - Project Condition Modified  
\*\* - New Condition  
MC - Mitigation Condition

CS - *City Security Required*  
SS - *Sanitary Security Required*  
GS - *Grading Security Required*  
MS - *Maintenance Security Required*

**DEPARTMENT OF COMMUNITY DEVELOPMENT****CONDITIONS OF APPROVAL****CUP-421, Dish Wireless****SPECIAL**

7. Owner/Operator must comply with the Federal Communications Commission's (FCC) "Guidelines for Evaluation: The Environmental Effects of Radio Frequency Radiation," as they may be amended from time to time. Within six months after the issuance of a certificate of occupancy, the Owner/Operator must submit a project implementation report, which provides cumulative field measurements of radio frequency power densities of all antennas installed at the subject site. The report must quantify the radio frequency emissions and compare the results with currently accepted FCC standards. If, on review, the City finds that the use does not meet FCC standards, the City may revoke or modify this Conditional Use Permit.
8. That the applicant signs an agreement indicating that any electromagnetic disturbance that causes interference with radio transmission, aircraft, instruments, navigational aids, or other electromagnetic receptors, must be modified, or abated upon, the written request of the Camarillo Airport Authority.
9. Prior to the certificate of occupancy, the owner/operator will provide written notification to the Department of Community Development as to who is the responsible party for the operation, maintenance, and upkeep of the facility. The notification will come in the form of a letter addressed to the Director of Community Development and will provide the Operator, with an address, and a 24-hour phone number where the operator can be reached in the event of an emergency. Within 30 days of a change to this information, the operator must update the City in the same manner as the original notification.
10. An exterior sign stating the emergency contact number for the responsible party must be posted and maintained to be legible at all times.
11. The Department of Community Development must be notified of any transfer of the use to another similar user. Upon transfer of an approved wireless communication facility or any rights under the applicable permit or approval, the applicant of the facility must within 30 days of such transfer provide written notification to the Director of Community Development of the date of the transfer and the identity of the transferee. The Director may require submission of any supporting materials or documentation necessary to determine that the facility is in compliance with the existing permit or approval and all of its conditions including, but not limited to, statements, photographs, plans, drawings, and analysis by a qualified engineer demonstrating compliance with all applicable regulations and standards of the city, FCC, and California Public Utilities Commission (CPUC).
12. Within 60 days of the commencement of operations, the applicant of a new wireless communication facility must provide the Community Development Department with a report, prepared by a qualified engineer acceptable to the city, indicating that the actual radio frequency (RF) emissions of the facility, measured at the property line or nearest point of

public access and in the direction of maximum radiation from each antenna, is in compliance with all applicable FCC safety standards. This report must include RF emissions from all collocation facilities, if any, at the site. The applicant must also provide an updated report to the city within 60 days after completion of any change in design, number of antennas, operation, or other significant change in circumstances, or when such a report is otherwise required by the FCC, to the satisfaction of the director. The applicant is responsible for payment to the City for its review of reports.

13. All wireless communication facilities must comply with all standards and regulations of the FCC, and any other state or federal government agency with the authority to regulate wireless communication facilities.
14. All required warning notices and markings must be installed as recommended by the Radio Frequency Emissions Compliance Report using durable plastic or metal signs. The operator will maintain all required notices in a legible condition for the duration of CUP-421. Any recommended changes to the signage based on field tests of the RF emissions will be modified within 30 days of the report being reviewed and approved by the City. The contractor will ensure that the case planner has access to the site to perform a physical inspection of the facility prior to obtaining the certificate of occupancy.
15. The site and the wireless communication facility, including all landscaping, fencing, and related transmission equipment must be maintained in a neat and clean manner and in accordance with all approved plans.
16. No transmission equipment or any other associated equipment (including but not limited to heating and air conditioning units) at any wireless communication facility may emit noise that exceeds the applicable limits established in CMC Chapter 10.34.
17. If any FCC, CPUC, or other required license or approval to provide communication services is ever revoked, the applicant must inform the Director of Community Development of the revocation within ten days of receiving notice of such revocation.
18. A wireless communication facility and all equipment associated with its use must be removed in its entirety by the applicant, at the applicant's sole expense, within 180 days of an FCC or CPUC license or registration revocation, or if any applicable city permit or approval is revoked, and the applicant must immediately cease all transmitting and receiving operations at the applicable facility or facilities. Following the removal of the facility, the site must be restored to its reasonable pre-installation condition and, where necessary, revegetated to blend in with the surrounding area. Restoration and revegetation of the site must be completed within two months of the removal of the facility.
19. Should the CUP meet the criteria for revocation, the Director of Community Development may recommend revocation of the permit to the Planning Commission in accordance with CMC Section 19.62.170.

### **FIRE PROTECTION**

20. **Fire Code Permits** - Applicant and / or tenant must obtain all applicable International Fire Code (IFC) permits prior to occupancy or use of any system or item requiring an IFC permit.

## **RECYCLING/REFUSE**

21. During construction, the developer must divert 65 percent of all non-hazardous construction materials from landfill (CALGreen Building Code Part II of Title 24 California Code of Regulations). Recycling bins must be made available during construction and labeled "Recycling Only," or bins containing mixed material must be sent to a State-approved recycling center or transfer station where the material is to be sorted for proper recycling.  
  
Prior to the issuance of a building permit, the developer must submit a Construction and Demolition Materials Management Plan Estimate to the Building and Safety Division for recycling of waste materials consistent with the aforementioned requirement. The Construction and Demolition Materials Management Plan Estimate must include estimated quantities for each type of material to be diverted or landfilled.  
  
Prior to the final inspection, the developer must submit a Final Report Construction and Demolition Waste Letter of Documentation to the Building and Safety Division, demonstrating compliance with the Construction and Demolition Materials Management Plan Estimate and indicate the total amount of construction and demolition waste diverted.
22. Development must include post-consumer recycled materials in the construction of the project with a minimum of five percent (5%) of the total estimated project cost--excluding land costs and grading costs and government fees to be used as the guide. *Prior* to Zone Clearance, the Developer must submit a list of materials to be used and an indication of the total percentage of the construction cost. The Developer must submit written certification describing compliance with this condition before the final inspection.

## **NOISE**

23. Site preparation and construction activities must be limited to between the hours of 7 a.m. and 7 p.m., and *not* on Sundays or holidays, in accordance with the City's Noise Ordinance.

## **GENERAL**

24. That the applicant must obtain appropriate permits and a Zone Clearance must be obtained from the City Departments of Community Development, Public Works/Land Development Division, and Building and Safety. Additional information and fees may be required from these departments. The building plans will also be coordinated with other governmental agencies (i.e., fire, water, environmental health, etc.). It is the applicant's responsibility to ensure that all City of Camarillo and interested parties' requirements have been met.
25. That the permit is granted for the land, as described in the application, and any attachment thereto, and shown on the plot plan and elevations submitted and labeled as Exhibit "A".
26. That the location of all buildings, fences, roadways, parking areas, landscape and other facilities or features must be substantially as shown on the plan labeled, Exhibit "A," and in conformance with the conditions labeled, Exhibit "B".
27. The applicant must sign and return an Applicant's Statement within 10 days of approval that he/she is aware and understands and agrees to abide and adhere to all conditions of approval attached to the project.

28. That unless the use is inaugurated, or the construction of the structure is commenced and diligently pursued not later than twelve (12) months from the date this permit is granted, this permit will automatically expire on that date. However, if there have been no changes in the proposed plot plan or adjacent area, the Director of Community Development may grant additional time extensions for use inauguration.
29. That the final colors, textures, and materials be submitted for approval by the Director of Community Development prior to issuance of the Zone Clearance.
30. All exterior light fixtures and locations be approved by the Director of Community Development. On-site lighting must be shielded and directed from adjoining properties, so as to produce no annoyance or nuisance or traffic hazard. That a photometric lighting plan be submitted for review and approval by the Director of Community Development prior to issuance of a Zone Clearance.
31. All exterior mechanical equipment must be shown on plans and screened by appropriately-designed treatment approved by the Director of Community Development.
32. The Director of Community Development may approve minor changes, but any substantial change must require the filing of a modification application to be considered by the Planning Commission.
33. Additions, changes, exterior modifications, rooftop equipment, storage, or equipment enclosures may be built only after receiving Department of Community Development approval and appropriate permits.
34. That the developer submit a Zone Clearance for review and approval by the Departments of Community Development and Public Works for any temporary construction trailer, sales office, and temporary power poles.
35. Applicant agrees, as a condition of issuing this permit, to pay all legal and expert fees and expenses of the City in defending any legal action brought against the City, other than one by the applicant, challenging the issuance of the permit, or any action or failure to act by the City relating to the environmental review process pursuant to the California Environmental Quality Act. In the event such a legal action is filed against the City, City must estimate its expenses for the litigation, and applicant must deposit said amount with the City, or enter into an agreement with the City, to pay such expenses, as they become due.
36. Developer/Applicant must reimburse the City for all attorneys' fees expended by the City, which are directly related to the processing of this development/project. No Certificate of Occupancy or other final occupancy approval must be given until the attorneys' fees billed to date have been paid.
37. The owner of the property must regularly and promptly remove any and all graffiti from the project, must maintain exteriors in a clean and attractive condition, and must maintain all landscaping required for the project in a healthy, orderly, and aesthetically-pleasing condition. In instances where the Department of Community Development determines that a violation of this condition exists, the owner must act promptly to correct the condition, in accordance with the direction of the Director of Community Development.



### **SECURITY REQUIREMENTS**

38. All persons doing business in the City of Camarillo in connection with the project must have a current Business Tax Certificate prior to commencing construction.
39. Any deposit or security required by any ordinance, resolution, policy, or condition must be delivered to the City of Camarillo in a form acceptable to the City.
40. Developer, by acceptance of the approval of this Conditional Use Permit (CUP-426), agrees to indemnify, defend, and hold the City harmless from and against any and all liabilities, claims, actions, causes of action, proceedings, suits, damages, judgments, liens, levies, costs, and expenses of whatever nature, including reasonable attorney fees and disbursements (collectively, "Claims"), which the City may suffer or incur, or to which the City may become subject by reason of, or arising out of, the City's approval of this project, or the activities undertaken by the Developer under this permit and any related project approvals. If any Claim is brought against the City by legal action or otherwise, Developer agrees to defend the City at the City's request and with counsel satisfactory to the City. For the purposes of this section, "City" includes the City of Camarillo's officials, officers, employees, and agents.