

AGENCY: Department of Forestry and Fire  
Protection

Project ID No: 15229  
State File No.: L-1810  
Amendment No.: One (1)

## AMENDMENT TO LEASE

This Amendment to Lease, dated September 10, 2025, for reference purposes only, by and between the State of California, at the direction of Department of Forestry and Fire Protection, acting by and through the Director of the Department of General Services (DGS), hereinafter collectively referred to as State, and County of El Dorado, hereinafter referred to as Lessee. State and Lessee may also be referred to as "Party" or "Parties".

### WITNESSETH:

WHEREAS, State and Lessee hereto entered into that certain Lease Agreement dated July 1, 2022 (the "Lease"), covering certain premises located at Pine Hill, County of El Dorado, State of California; and

WHEREAS, State and Lessee hereto desire to amend said Lease to: (1) modify the Use; (2) adjust the monthly Rent; and (3) add a paragraph to address Russia sanctions under Executive Order N-6-22;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, it is mutually agreed between the Parties as follows, effective March 1, 2026:

1. Section 1, Clause 2, "USE" of the Lease shall be amended with the following:

(a) The Premises shall be used during the term hereof solely and only for the purpose of installing, operating and maintaining telecommunications equipment as described in Lessee's "Radio Vault Space Applications" (State Form TD-312) dated August 11, 2021 and approved by the Office of Emergency Services – Public Safety Communications (OES-PSC) effective January 5, 2022 consisting of twenty-three (23) pages marked Exhibit "B" and Lessee's "Radio Vault Space Applications" (State Form TD-312) dated September 24, 2024 and approved by the Office of Emergency Services – Public Safety Communications (OES-PSC) effective February 27, 2025 consisting of nineteen (19) pages marked Exhibit "B-1". Said "Radio Vault Space Applications" complete with attachments and approval documentation by OES-PSC are attached hereto and made a part hereof.

(b) Lessee shall not be responsible in any manner for the maintenance and repair of the equipment of the State or its political subdivisions located within the State's communications facility.

2. Section 1, Clause 4 "LEASE PAYMENTS" of the Lease shall be effective for all lease payment obligations incurred under this lease prior to March 1, 2026. Beginning March 1, 2026, Section 1, Clause 4 "LEASE PAYMENTS" of the Lease shall be amended with the following, effective for all lease payment obligations occurring on or after such date:

Lessee shall make lease payments starting March 1, 2026 for the leased Premises, annually in advance, due upon commencement of this amendment and thereafter on each July 1<sup>st</sup> during the term of this Lease.

(a) State recognizes Lessee as a cooperator that assists CAL FIRE in its mission and responsibilities as first responders. State recognizes that Lessee’s contributions to the State represent sufficient benefits to offset the rent value of this Lease by 50%.

(b) Should Lessee fail to meet the above condition for cooperative participation to support Lessee’s reduced rental status, the State shall provide notice of termination thereof and rent shall become due and payable at the current fair market rent adjusted at a rate of 3% annually or, at State’s sole discretion, the rate will be adjusted to market rent as determined by DGS.

(c) Notwithstanding any other term, provision, condition, or requirement of this Lease, in the event that the State exercises its right to terminate Lessee’s cooperator rental status, as set forth in Paragraph 4 (b), Lessee shall have the right to terminate this Lease upon written notice to the State and no further rental obligation will accrue after the date of said notice by the Lessee, which shall be effective upon the date of mailing by Lessee.

(d) The initial lease period payment identified in the schedule below shows pro-rated rent and is due and payable March 1, 2026, and thereafter will be due and payable each July 1st during the remaining term of this Lease. Lessee’s payments shall display State’s File number L-1810 and shall be payable as follows:

<u>Period</u>	<u>Term</u>	<u>Due Date</u>	<u>Rent Payable to DGS</u>	<u>Utilities and Maintenance Payable to CAL FIRE</u>
1	March 1, 2026 – June 30, 2026	March. 1, 2026	\$ 108.00	\$ 108.00
2	July 1, 2026 – June 30, 2027	July 1, 2026	\$ 5,466.00	\$ 5,466.00
3	July 1, 2027 – June 30, 2028	July 1, 2027	\$ 5,630.00	\$ 5,630.00
4	July 1, 2028 – June 30, 2029	July 1, 2028	\$ 5,799.00	\$ 5,799.00
5	July 1, 2029 – June 30, 2030	July 1, 2029	\$ 5,973.00	\$ 5,973.00
6	July 1, 2030 – June 30, 2031	July 1, 2030	\$ 6,153.00	\$ 6,153.00
7	July 1, 2031 – June 30, 2032	July 1, 2031	\$ 6,337.00	\$ 6,337.00

Payments shall be made payable to:

Department of General Services  
 Accounts Receivables PAL (L-1810)  
 P. O. Box 989053  
 West Sacramento, CA 95798-9053

Department Forestry and Fire Protection  
 Accounting Section-Receivables (L-1810)  
 P. O. Box 944246  
 Sacramento, CA 94244-2460

(e) Pursuant to Section 1, Clause 3 (Term) above, this Lease provides for three (3) successive five (5) year options to extend the term of the Lease. Should Lessee exercise its option to extend the term of this Lease, the annual rent for each such renewal option period shall increase at a rate of three percent (3%) per year in the renewal periods (rounded to the nearest dollar) pursuant to the Exhibit “C-1” rent schedule attached. The State reserves the right to adjust the renewal option rent pursuant to it’s telecom lease rate guidelines.

(f) If CAL FIRE site utility costs increase from utility provider, then State shall require Lessee to pay increased expenses, which will be separately invoiced by CAL FIRE. Upon thirty (30) days written notice, Lessee will pay the increased amount in accordance with this section.

Lessee acknowledges that rent and past due rent shall be due and payable to State whether or not an actual invoice is sent by State or received by Lessee.

3. Section 3, Clause 40 “EXECUTIVE ORDER N-6-22 – RUSSIA SANCTIONS” shall be added as follows:

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (EO) regarding Economic Sanctions against Russia and Russian entities and individuals. “Economic Sanctions” refers to sanctions imposed by the U.S. government in response to Russia’s actions in Ukraine, as well as any sanctions imposed under state law. The EO directs state agencies to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should the State determine Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. The State shall provide Contractor advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the State.

Except as amended herein, all the terms of said lease hereinabove referred to shall remain unchanged and in full force and effect.

REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK

The persons who have executed this Amendment represent and warrant that they are duly authorized to execute it in their individual or representative capacity as indicated. This amendment may be executed in any number of counterpart copies, each of which shall be deemed an original, but all of which together shall constitute a single instrument.

IN WITNESS WHEREOF, this Amendment has been executed by the Parties below and shall be effective as of the date identified on page 1.

STATE OF CALIFORNIA

LESSEE

APPROVED:

DEPARTMENT OF GENERAL SERVICES  
REAL ESTATE SERVICES DIVISION  
ASSET MANAGEMENT BRANCH

By \_\_\_\_\_  
Trevor Johnson, Manager  
State Owned Leasing & Development

By \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

Date \_\_\_\_\_

DGS APPROVAL RECOMMENDED:

STATE OWNED LEASING AND  
DEVELOPMENT

By \_\_\_\_\_  
Kari Chism, Senior Real Estate Officer

ATTEST:

By \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

CONSENT:

DEPARTMENT OF FORESTRY AND  
FIRE PROTECION

By \_\_\_\_\_  
Michelle Lucia-Valenzuela  
Assistant Deputy Director  
Technical Services Section



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M E M O R A N D U M

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**Date:** January 5, 2022

**To:** Lorina Pisi, Real Property Analyst A-45  
Technical Services, Lands Unit  
Department of Forestry and Fire Protection  
1131 S Street  
Sacramento, CA 95811-6524

**From:** Yolanda Villasenor, Telecommunications Systems Manager I (Supervisor)   
Public Safety Communications

**Subject:** CDF Radio Vault Space Application (TD-312) – New Lease  
El Dorado County Sheriff – L-1158  
Pine Hill, El Dorado County  
CDF-VLT 002204

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A technical analysis of the attached TD-312, California Department of Forestry and Fire Protection (CDF), Radio Vault Space Application for the El Dorado County Sheriff has been completed. The El Dorado County Sheriff is requesting to establish a new lease with the California Department of Forestry and Fire Protection (CDF) for the following existing equipment in Vault F at the Pine Hill CDF radio facility:

- One (1) Codan VHF repeater, TX 159.555 MHz, RX 161.070 MHz
- One (1) Codan VHF repeater, TX 159.690 MHz, RX 161.565 MHz
- One (1) Codan VHF repeater, TX 151.100 MHz, RX 159.165 MHz
- One (1) Kenwood UHF, TX 463.050 MHz, RX 468.050 MHz

All four repeaters are connected to the site's VHF and UHF shared antenna systems.

An intermodulation (IM) interference study shows this equipment potentially contributing to IM interference to five existing receivers. However, since the equipment has been installed and operational for over ten years with no reported interference, no on-site interference measurements are required.

The CDF has requested verification of the amount of rack space used by this installation. This equipment uses all of Rack 28 and 2/3 of Rack 29. See attached Vault Layout drawing number 409170-060.

The El Dorado County Sheriff will use commercial and emergency power.

This technical evaluation addresses co-location and interference issues only and makes no claim as to MPE (Maximum Permissible Exposure) compliance of the proposed installation.

Lorina Pisi  
January 5, 2022  
Page 2

The Office of Emergency Services, Public Safety Communications Special Projects Unit has reviewed the information provided and finds no other technical reason to deny this application.

Based on information shown on the application the Office of Emergency Services, Public Safety Communications technically approves this application. If at any time interference becomes a problem, it will be the responsibility of the El Dorado County Sheriff to resolve.

Please contact Robert Bjorklund, Senior Telecommunications Engineer at (916) 894-5228 or by email at [robert.bjorklund@caloes.ca.gov](mailto:robert.bjorklund@caloes.ca.gov) if you have any questions.

Attachments

cc: Brian Kunz, Senior Telecommunications Engineer, Natural Resources Agency Unit

**RADIO VAULT SPACE APPLICATION****Non-State Users****TD 312 (Rev. 10/13)****TD-312: GENERAL INFORMATION & INSTRUCTIONS**

The State of California owns and or operates telecommunications facilities at numerous locations throughout the State for use by State agencies requiring radio communications. Space at these facilities is made available to other than State of California users when it is surplus to the State's requirements

The State must review, manage and engineer any proposed installations. Once a new, renewal or modification TD-312 application has been received by CAL FIRE and is reviewed administratively, it is forwarded to the Public Safety Communications Office (PSCO) for technical analysis. A study will be performed to determine the impact of the application on the existing users at the site. Based on the study, the technical analysis will include specific recommendations to CAL FIRE. If serious technical difficulties are found and cannot be remedied, -PSCO will recommend to CAL FIRE to cancel the TD-312 application. Should this occur, CAL FIRE will compare the amount of work performed by the state to the application fee paid. If warranted, state will issue a partial refund.

In cooperation with the applicant, the State will attempt to meet all users' operational requirements.

**Any subsequent labor time or material costs required for site engineering, antenna or combining system upgrades, or technician labor will be borne by the applicant at the PSCO current rates.** Applicants will be notified by CAL FIRE of the amount due prior to work being performed. No further processing of the application will take place until a written approval of these expenses, and payment, is received from the applicant.

**NOTE:** Modification of site-master antenna or combining systems may **NOT** be done by a tenant. Such modifications must be designed by -PSCO engineering and installed by PSCO-approved technician resources.

**PRIOR TO ADDITION OR DELETION** of any transmitting or receiving frequencies, antennas or equipment, submittal of this application and all related fees is required for **ALL** non-State users (*including new, pending, previous and current tenancy/occupancy*). Approval is required by CAL FIRE **prior** to the proposed changes taking place in the facility

After filling out the attached application, sign the form on Page 6, and include the appropriate application fee. The following checklist will assist you in submitting all required items:

**COMPLETE AND SIGNED APPLICATION**

- Applicant SIGNATURE on Page 7  
(page 8 is the first page of the technical application, pages 1-5 contain instructions and restrictions)
- Pages 6 – 7, Request and Contact Info
- Pages 8 – 10, Technical Data sheets
- Attach additional information sheets as needed

**REQUIRED FEES** technical analysis fee is required with TD-312 submittal.

**CATEGORY: 2-way RF, Telemetry**

\$2,500 Technical Analysis

**CATEGORY: Commercial Cellular, Wireless Internet, Broadcasters, Microwave**

\$5,000 Technical Analysis

**LEASE SERVICES REQUIRED**

New Lease       Renewal       Amendment

**LEASE DOCUMENT REQUESTED**

Tower and Vault       Tower       Vault       Ground Lease       Other \_\_\_\_\_

Application Sheets are used to gather the appropriate administrative information to process the TD-312. These sheets must be completed, signed and accompanied with the Technical Data Sheets.

Applicant: EL DORADO COUNTY SHERIFF  
(organization name)  
200 Industrial RP  
(address)  
PLACERVILLE CA 95667  
(city, state, zip)  
530-621-5655  
(telephone number)  
POST # of EDSO-ORG  
(email address)

In accordance with the attached Technical Data Sheet(s), application is hereby made to:

- Establish New Lease  
 Modify/Amend Lease (describe specific changes):  
(attach additional sheet if more space is required)

- Renew lease with modification as stated:  
(attach additional sheet if more space is required)

- Renew lease (no changes, technical sheets must be completed)

- Lease \_\_\_\_\_ square feet → 2 RACK SPACES

For vault space and related antenna space at PINE HILL 6-1158  
(site name)

Power requirements for operations of communications equipment are:

- Commercial and emergency power  
 Commercial power only  
 No power required.

**NOTE:** Some radio vault facilities provide commercial and emergency power to each rack space without exception, and the tenant will be charged accordingly.

**Person responsible for lease negotiations and submission of this application:**

FRANK YOST  
(name)  
200 Industrial RP  
(address)  
Placerville CA. 95667  
(city, state, zip)  
530-642-4944  
(telephone number)  
YOST F at FDSO.org  
(email address)

**Billing Information:**

Applicant: EL DORADO Sheriff Dept  
(name)  
200 Industrial RP  
(address)  
Placerville CA. 95126  
(city, state, zip)  
530-621-5655  
(telephone number)  
YOST F at FDSO.org  
(email address)

It is understood that if any subsequent on-site testing is required, it will be charged to the lessee at the current rate determined by the State. In addition, any required engineering or technician labor charges or parts procurement expenses, plus a program management fee, will be re-billed to the lessee at the current rates being charged by the State. Prior to these charges being incurred, a written estimate and acceptance document will be forwarded to the applicant for review and signature.

Applicant: EL DORADO Sheriff  
By: FRANK YOST  
Title: COMMUNICATIONS MANAGER  
Date: 8-11-21

Receipt of a non-refundable application fee in the amount of \$\_\_\_\_\_ is hereby acknowledged.

STATE OF CALIFORNIA

By: \_\_\_\_\_  
Date: \_\_\_\_\_

NOTE: A fee will be required when this agreement is renewed for a new term or when changes are made to an existing agreement and the preparation of a new lease agreement is required.

**TECHNICAL DATA SHEETS**

Data submitted on the Technical Data Sheets is used by the PSCO engineers to perform a study to determine the impact of the application on the existing users at the site. Please complete these sheets in its entirety and provide required information. Existing tenants must reflect the tenants installed equipment and equipment changes (new installations, removals, etc.).

Site Name: PAINE HILL Date: 8-11-21  
County: EL DORADO CO

The following technical data is submitted in conjunction with a request for vault space.

If this is a land lease application for Cellular, applicant must provide plot plans, construction drawings and a written description of proposed land use.

Person responsible for technical operation of this station (person who can provide technical details):

FRANK COST  
(name)  
200 Industrial P.P.  
(address)  
Placerville CA 95667  
(city, state, zip)  
530-642-4944  
(telephone number)

Date equipment desired to be in operation: IS IN OPERATION  
(It should be noted that, due to engineering priorities, this application may require up to one (1) full year to process.)

Equipment is to operate in the FW Radio Service.  
FCC callsign of this installation: \_\_\_\_\_ (Include a copy of the FCC license) WQPC 203

Type of operation:  Base Station  Mobile Relay  Microwave Station  
 Other

Amount of rack space required to house equipment (in inches): 3 racks already installed

(NOTE: Unless otherwise authorized, all electronic equipment is to be mounted in 7'6" aluminum open-frame relay racks and fastened to the site's earthquake bracing and cable ladder system. One rack occupies 2' by 2' of floor space.)

Additional space desired to mount cavities, duplexers, batteries, etc.:

Wall Space  Floor Space \_\_\_\_\_ (HxWxD, inches)  
 Rack Space  Additional space not required

Space for battery facilities required, if any, including charger:

Wall Space  Floor Space \_\_\_\_\_ (HxWxD, inches)  
 Radio Rack  Not required

Maximum power consumption: TRANSMIT: 100 \_\_\_\_\_ Watts RECEIVE: 10 Watts at  
Voltage:  110 Volts AC x 12 volts DC  48 volts DC  
 Other \_\_\_\_\_

**EQUIPMENT DATA**

New Tenant: Provide data for each piece of equipment to be installed in each vault space and identify as **New (N)**.

Existing Tenant: Provide data for each piece of equipment currently installed and identify as **Existing (E)**. If adding or removing equipment; identify the appropriate action **New (N)**, **Removing (R)**.

**FREQUENCY INFORMATION: CELLULAR APPLICANTS MUST PROVIDE SPECIFIC CHANNELS TO BE USED (NOT THE BAND). IF SPECIFIC FREQUENCIES HAVE NOT BEEN PROVIDED THE APPLICATION WILL BE RETURNED.**

Be sure to include a system block diagram on the page furnished for that purpose. Duplicate this page as required to show all equipment desired to be installed:

*P1*

TRANSMITTER #1	Power output	W	Existing (E) Removing (R) New (N)
Frequency(s) 159.555 mhz	100 watts		
Make and Model: <b>codan</b>			

RECEIVER #1	Existing (E) Removing (R) New (N)
Frequency(s) 161.070	
Make and Model: <b>codan</b>	

*F2*

TRANSMITTER #2	Power output	W	Existing (E) Removing (R) New (N)
Frequency(s) 159.690	100 watts		
Make and Model: <b>codan</b>			

RECEIVER #2	Existing (E) Removing (R) New (N)
Frequency(s) 161.565	
Make and Model: <b>codan</b>	

*DOT*

TRANSMITTER #3	Power output	W	Existing (E) Removing (R) New (N)
Frequency(s) 161.100	100 watts		
Make and Model: <b>codan</b>			

RECEIVER #3	Existing (E) Removing (R) New (N)
Frequency(s) 159.165	
Make and Model: <b>codan</b>	

*Met Net*

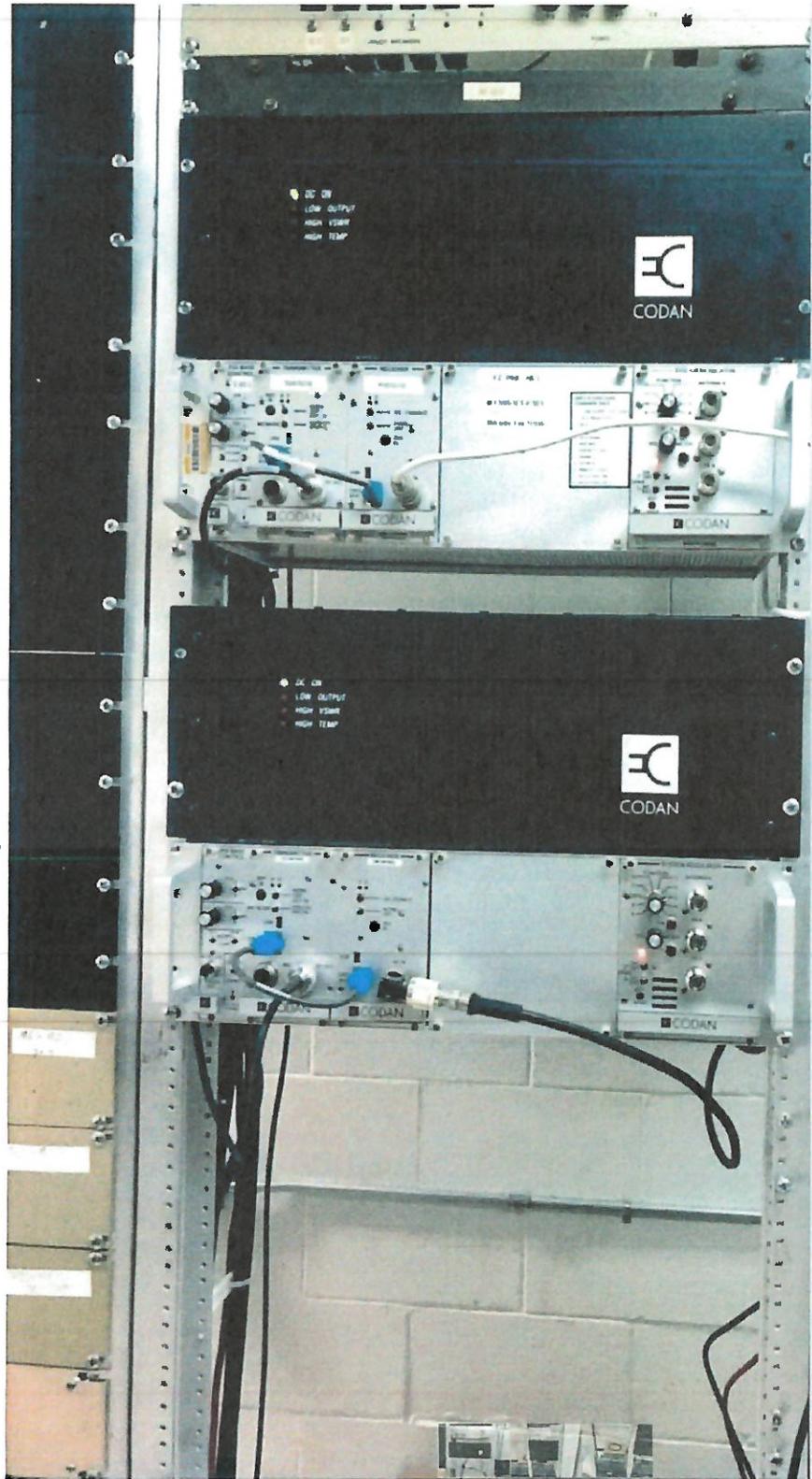
TRANSMITTER #4	Power output	W	Existing (E) Removing (R) New (N)
Frequency(s) 463.050	100 watts		
Make and Model: <b>kenwood</b>			

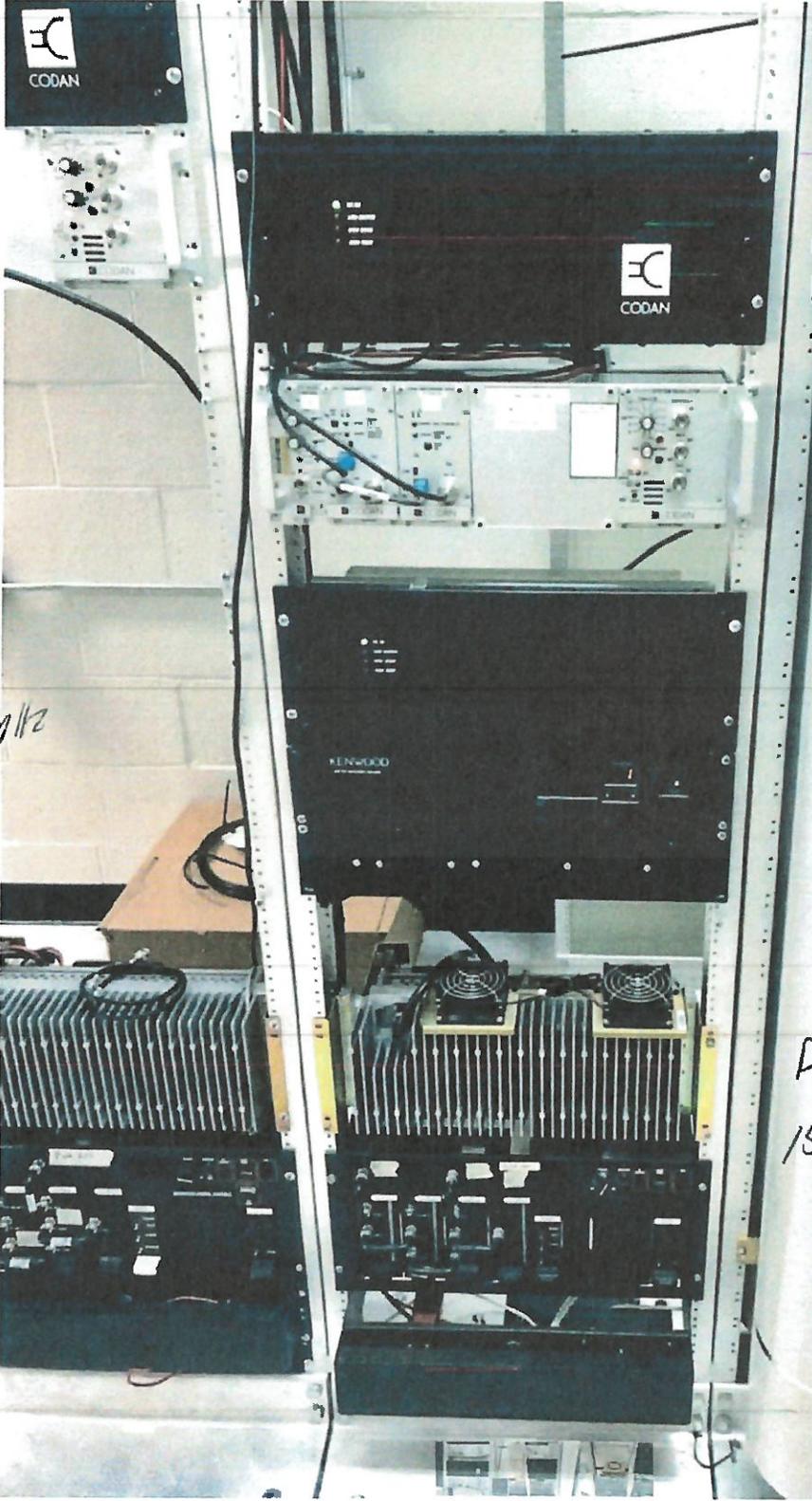
RECEIVER #4	Existing (E) Removing (R) New (N)
Frequency(s) 468.050	
Make and Model: <b>kenwood</b>	

*FRANS #4*      *100 watts*

50 F2  
159.690

50 F1  
159.550 MHz





Med Net  
4  
463.075 MHz

only REC  
→

POT  
15/100

**ANTENNA DATA**

**New Tenant:** Provide data for each antenna to be installed at this vault facility and identify as **New (N)**.

**Existing Tenant:** Provide data for each antenna currently installed and identify as **Existing (E)**. If adding or removing an antenna; identify the appropriate action **New (N)**, **Removing (R)**.

Antenna number	Make and Model	Length or M/W dish size	Gain (dBd) (dBi for M/W)	Azimuth (relative to true north)	*Height desired (feet)	Existing (E) Removing (R) New (N)
1	All systems are connected to state Antennas					
2						
3						
4						
5						
6						
7						

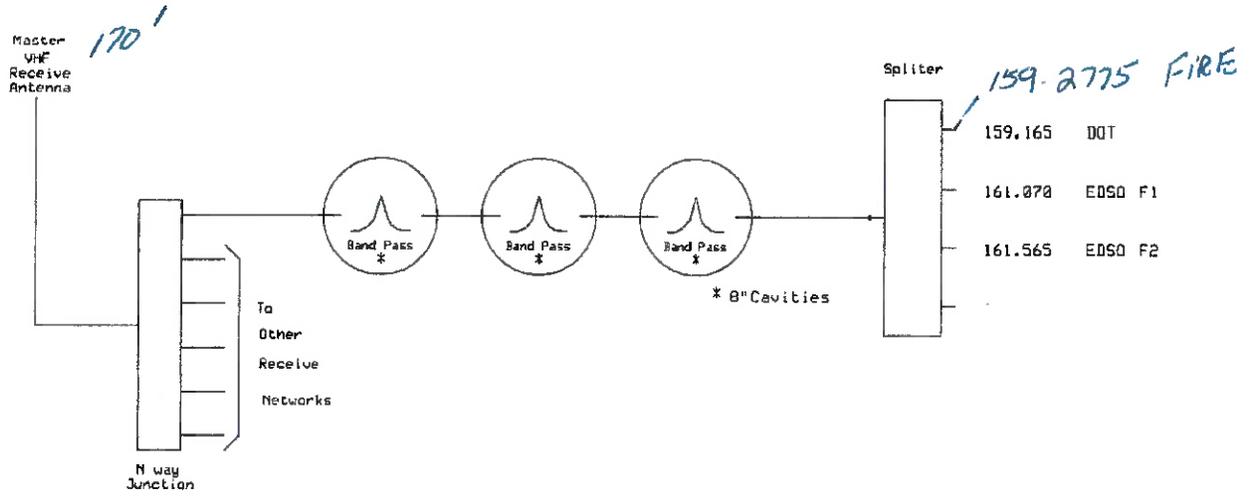
\* For VHF antennas, show desired height to base of antenna support. For microwave dishes, show desired height to center of radiating element.

**AUXILIARY EQUIPMENT DATA**

For each transmitter, receiver, or combination, supply the following:

Make and model of cavity(s), filter(s), isolator(s), duplexer(s), etc., desired to be installed at this site. Please indicate the desired location where these items are to be mounted in the vault. Be sure to include these elements on the system block diagram on the page provided for that purpose.

PINE HILL

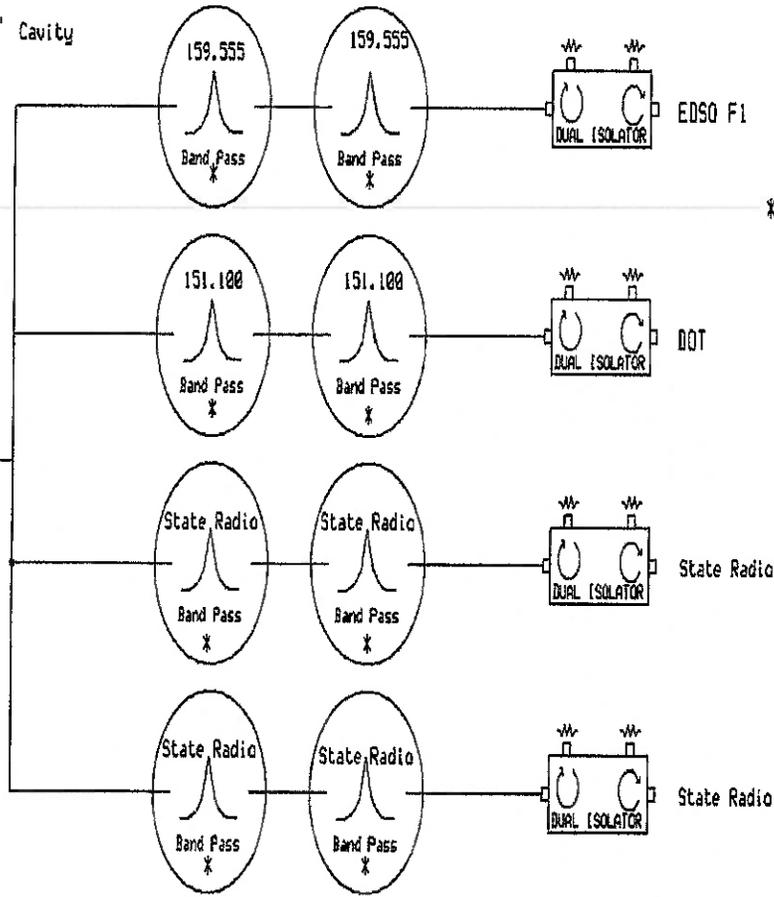


PINE HILL

State Antenna A  
120'

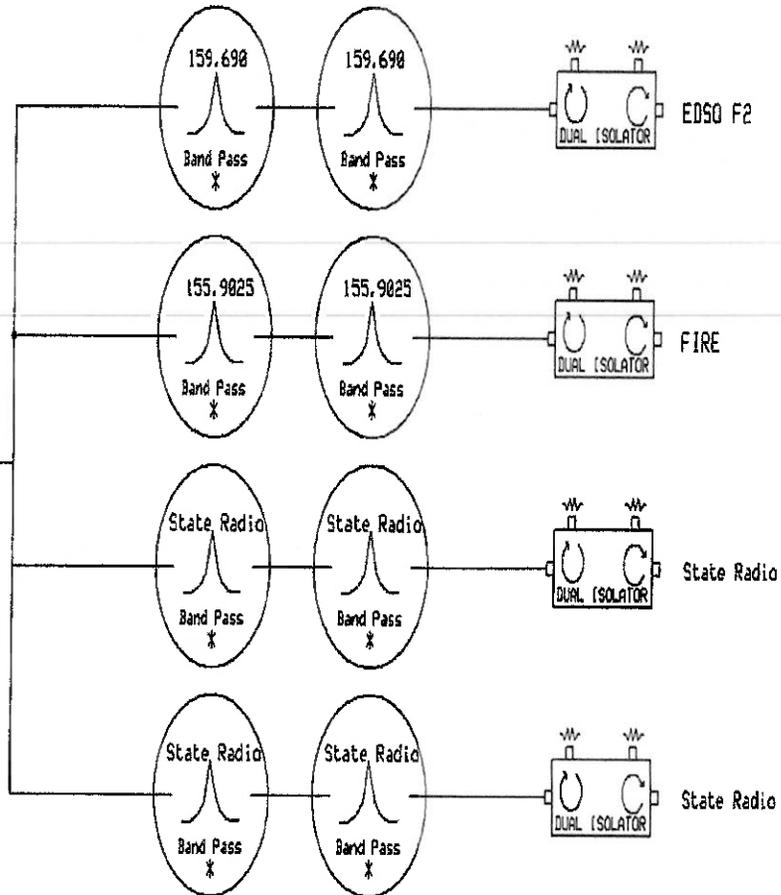
8" Cavity

\* 8" Cavities



State Antenna B

B  
120'



## Public Safety Pool, Conventional License - WPJH204 - EL DORADO, COUNTY OF

Call Sign	WPJH204	Radio Service	PW - Public Safety Pool, Conventional
Status	Active	Auth Type	Regular
<b>Dates</b>			
Grant	08/08/2015	Expiration	08/08/2025
Effective	03/21/2020	Cancellation	

**Control Points**

**1** 200 INDUSRIAL DR, EL DORADO, PLACERVILLE, CA  
P: (530)621-5655

**Licensee**

FRN	0022299101	Type	Governmental Entity
<b>Licensee</b>	EL DORADO, COUNTY OF 200 INDUSTRIAL DR PLACERVILLE, CA 95667 ATTN COMMUNICATIONS DEPARTMENT		
	P:(530)626-2449		

**Contact**

EL DORADO, COUNTY OF P:(530)642-4944  
  
200 INDUSTRIAL DR  
Placerville, CA 95667  
ATTN COMMUNICATIONS DEPT

**Land Mobile Data**

Extended Implementation (Slow Growth) Assoc.Call Signs [KMA912](#), [WPEE203](#), WPIY380, [WPJZ710](#)

**Eligibility**

90.20A - APPLICANT IS COUNTY GOVERNMENT AUTHORIZED BY LAW TO PROVIDE IT S OWN POLICE PROTECTION. WILL USE RADIO TO TRANSMIT COMMUNICATIONS ESSENTIAL TO OFFICIAL POLICE ACTIVITIES OF APPLICANT.

**Ownership and Qualifications**

Radio Service Type Fixed, Mobile  
Regulatory Status Private Comm Interconnected No

**Alien Ownership**

Is the applicant a foreign government or the representative of any foreign government? No

Is the applicant an alien or the representative of an alien?

Is the applicant a corporation organized under the laws of any foreign government?

## Locations Summary

Call Sign: WPJH204      Radio Service: PW - Public Safety Pool, Conventional

**13 Total Locations**

10 Locations per Summary Page

 = Special Condition       = Termination Pending

Location	Transmitter Address /Area of Operation	Latitude, Longitude	Status
1 - Fixed	UNION HILL POLLACK PINES, CA EL DORADO County	38-45-46.7 N, 120-33-13.7 W	
2 - Fixed	PINE HILL RESCUE, CA EL DORADO County	38-43-09.6 N, 120-59-25.8 W	
3 - Fixed	FAIR PLAY HILL OMO RANCH, CA EL DORADO County	38-34-51.7 N, 120-36-51.7 W	
4 - Fixed	BALD MOUNTAIN GEORGETOWN, CA EL DORADO County	38-54-15.6 N, 120-42-21.7 W	
5 - Fixed	BIG HILL RIVERTON, CA EL DORADO County	38-50-31.7 N, 120-24-29.7 W	
6 - Fixed	300 FAIR LN PLACERVILLE, CA EL DORADO County	38-43-34.7 N, 120-49-43.8 W	
7 - 6.1 meter control station	CA		
8 - Mobile	40.0 km radius around a fixed location 1		
9 - Mobile	40.0 km radius around a fixed location 2		
10 - Mobile	40.0 km radius around a fixed location 3		

**13 Total Locations**

10 Locations per Summary Page

## Frequencies Summary

Call Sign WPJH204

Radio Service

PW - Public Safety Pool,  
Conventional

**20** Frequencies for all locations

20 Frequencies per Summary Page

**SC** = Special Condition **TP** = Termination Pending

Frequency	Loc#	Ant#	Freq ID	Station Class	Units	Paging Rec.	Output Power	Maximum ERP
000159.55500000	1	1	1	FB2	1		75.000	267.000
000159.55500000	2	1	1	FB2	1		75.000	133.000
000159.55500000	3	1	1	FB2	1		75.000	77.000
000159.55500000	4	1	1	FB2	1		75.000	29.000
000159.55500000	5	1	1	FB2	1		75.000	375.000
000159.55500000	6	1	1	FB	1		40.000	200.000
000159.55500000	8	1	1	MO	300		75.000	150.000
000159.55500000	9	1	1	MO	300		75.000	150.000
000159.55500000	10	1	1	MO	300		75.000	150.000
000159.55500000	11	1	1	MO	300		75.000	150.000
000159.55500000	12	1	1	MO	300		75.000	150.000
000160.69500000	6	1	2	FB	1		40.000	200.000
000160.69500000	8	1	2	MO	300		75.000	150.000
000160.69500000	13	1	1	MO	300		75.000	150.000
000161.07000000	7	1	1	FX1	1		40.000	200.000
000161.07000000	8	1	3	MO	300		75.000	150.000
000161.07000000	9	1	2	MO	300		75.000	150.000
000161.07000000	10	1	2	MO	300		75.000	150.000
000161.07000000	11	1	2	MO	300		75.000	150.000
000161.07000000	12	1	2	MO	300		75.000	150.000

**20** Frequencies for all locations

20 Frequencies per Summary Page

**Public Safety Pool, Conventional License - KUQ789 - EL DORADO, COUNTY OF**

Call Sign	KUQ789	Radio Service	PW - Public Safety Pool, Conventional
Status	Active	Auth Type	Regular
<b>Dates</b>			
Grant	03/26/2014	Expiration	03/28/2024
Effective	03/21/2020	Cancellation	

**Control Points**

**1** WESTERN EL DORADO CTY MISSOURI FLAT & HEADINGTON RDS, EL DORADO, PLACERVILLE, CA  
P: (530)626-2449

**Licensee**

FRN 0022299101 Type Governmental Entity

**Licensee**

EL DORADO, COUNTY OF P:(530)626-2449  
200 INDUSTRIAL DR  
PLACERVILLE, CA 95667  
ATTN COMMUNICATIONS DEPT

**Contact**

El Dorado, County of P:(530)642-4944  
200 INDUSTRIAL DR  
Placerville, CA 95667  
ATTN Communications Dept

**Land Mobile Data**

Extended Implementation (Slow Growth) Assoc.Call Signs

**Eligibility**

90.23A

**Ownership and Qualifications**

Radio Service Type Fixed, Mobile  
Regulatory Status Private Comm Interconnected No

**Alien Ownership**

Is the applicant a foreign government or the representative of any foreign government? No

Is the applicant an alien or the representative of an alien?

Is the applicant a corporation organized under the laws of any foreign government?

Is the applicant a corporation of which more than one-fifth of the

capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country?

The Alien Ruling question is not answered.

**Basic Qualifications**

The Applicant answered "No" to each of the Basic Qualification questions.

**Demographics**

Race

Ethnicity

Gender



# Universal Licensing System

FCC > WTB > ULS > Online Systems > License Search

[FCC Site Map](#)

Public Safety Pool, Conventional License - KUQ789 - EL DORADO, COUNTY OF

## Locations Summary

[? HELP](#)

[New Search](#)
[Refine Search](#)
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[Map License](#)

[MAIN](#)
[ADMIN](#)
[LOCATIONS](#)
[FREQUENCIES](#)
[MAP](#)

Call Sign: KUQ789      Radio Service: PW - Public Safety Pool, Conventional

6 Total Locations      Locations Displayed: 10 Locations per Summary Page      All | [Fixed](#) | [Mobile](#) | [Itinerant](#) | [Temp Fixed](#) | [6.1m](#)

SC = Special Condition      TP = Termination Pending

Location	Transmitter Address / Area of Operation	Latitude, Longitude	Status
<a href="#">1 - Mobile</a>	EL DORADO County, CA		
<a href="#">2 - Fixed</a>	MISSOURI FLAT & HEADINGTON RDS PLACERVILLE, CA EL DORADO County	38-42-49.7 N, 120-50-26.8 W	
<a href="#">3 - Fixed</a>	PINE HILL 2 MI NW RESCUE, CA EL DORADO County	38-43-01.6 N, 120-59-27.8 W	
<a href="#">4 - Fixed</a>	BIG HILL 5 MI N RIVERTON, CA EL DORADO County	38-50-31.7 N, 120-24-29.7 W	
<a href="#">5 - Fixed</a>	SHAKORI & KASKA RDS TAHOE PARADISE, CA EL DORADO County	38-50-42.7 N, 120-00-57.7 W	
<a href="#">6 - Fixed</a>	1376 JOHNSON BLVD SOUTH LAKE TAHOE, CA EL DORADO County	38-56-01.7 N, 119-58-19.7 W	

6 Total Locations      Locations Displayed: 10 Locations per Summary Page      All | [Fixed](#) | [Mobile](#) | [Itinerant](#) | [Temp Fixed](#) | [6.1m](#)

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**ULS Online Systems**      [CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)  
**About ULS**      [Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

**Basic Search**      By Call Sign      ▼ =



# Universal Licensing System

FCC > WTB > ULS > Online Systems > License Search

[FCC Site Map](#)

Public Safety Pool, Conventional License - KUQ789 - EL DORADO, COUNTY OF

[? HELP](#)

## Frequencies Summary

[New Search](#) [Refine Search](#) [Return to Results](#) [Printable Page](#) [Reference Copy](#) [Map License](#)

**MAIN** ADMIN LOCATIONS **FREQUENCIES** MAP

Call Sign: KUQ789      Radio Service: PW - Public Safety Pool, Conventional

9 Frequencies for all locations  
20 Frequencies per Summary Page

Filter Frequencies By Location:  
All Locations

**SC** = Special Condition   **TP** = Termination Pending   Define View: **General** | [Buildout](#) | [COSER](#) | [Emission](#) | [IRAC](#)

Frequency	Loc#	Ant#	Freq ID	Station Class	Units	Paging Rec.	Output Power	Maximum ERP
<a href="#">000151.10000000</a>	<a href="#">1</a>	1	1	MO	75		100.000	
<a href="#">000151.10000000</a>	<a href="#">2</a>	1	1	FB	1		100.000	310.000
<a href="#">000151.10000000</a>	<a href="#">3</a>	1	1	FB2	1		100.000	315.000
<a href="#">000151.10000000</a>	<a href="#">4</a>	1	1	FB2	1		100.000	312.000
<a href="#">000151.10000000</a>	<a href="#">5</a>	1	1	FB	1		100.000	308.000
<a href="#">000151.10000000</a>	<a href="#">6</a>	1	1	FB2	1		100.000	282.000
<a href="#">000159.16500000</a>	<a href="#">1</a>	1	2	MO	75		100.000	
<a href="#">000159.16500000</a>	<a href="#">2</a>	1	2	FX1	1		100.000	310.000
<a href="#">000159.16500000</a>	<a href="#">5</a>	1	2	FX1	1		100.000	308.000

9 Frequencies for all locations  
20 Frequencies per Summary Page

Filter Frequencies By Location:  
All Locations

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**Basic Search**      By Call Sign



# Universal Licensing System

[FCC](#) > [WTB](#) > [ULS](#) > [Online Systems](#) > License Search

[FCC Site Map](#)

Public Safety Pool, Conventional License - WPWF450 - CALIFORNIA, STATE OF

## Locations Summary

[? HELP](#)

[New Search](#) [Refine Search](#) [Return to Results](#) [Printable Page](#) [Reference Copy](#) [Map License](#)

- MAIN**
- ADMIN
- LOCATIONS**
- FREQUENCIES
- MAP

Call Sign: **WPWF450** Radio Service: **PW - Public Safety Pool, Conventional**

**8 Total Locations**

10 Locations per Summary Page

Locations Displayed:

**All** | [Fixed](#) | [Mobile](#) | [Itinerant](#) | [Temp Fixed](#) | [6.1m](#)

**SC** = Special Condition **TP** = Termination Pending

Location	Transmitter Address /Area of Operation	Latitude, Longitude	Status
<a href="#">1 - Fixed</a>	UNION HILL 1 KM E POLLOCK PINES, CA EL DORADO County	38-45-46.7 N, 120-33-13.7 W	
<a href="#">2 - Fixed</a>	HOTCHKISS HILL ROAD GEORGETOWN, CA EL DORADO County	38-54-45.6 N, 120-48-50.8 W	
<a href="#">3 - Fixed</a>	END OF WATER PLANT ROAD PLACERVILLE, CA EL DORADO County	38-43-16.7 N, 120-47-49.8 W	
<a href="#">4 - Fixed</a>	PINE HILL 3 KM W RESCUE, CA EL DORADO County	38-43-10.3 N, 120-59-25.4 W	
<a href="#">5 - Fixed</a>	2840 MOUNT DANAHER ROAD CAMINO, CA EL DORADO County	38-44-41.0 N, 120-40-03.1 W P	
<a href="#">6 - Mobile</a>	40.0 km radius around centerpoint	38-45-00.0 N, 120-40-00.0 W	
<a href="#">7 - Temporary Fixed</a>	EL DORADO County, CA		
<a href="#">8 - Mobile</a>	30.0 km radius around centerpoint	38-45-00.0 N, 120-40-00.0 W	

**8 Total Locations**

10 Locations per Summary Page

Locations Displayed:

**All** | [Fixed](#) | [Mobile](#) | [Itinerant](#) | [Temp Fixed](#) | [6.1m](#)

*State Radio  
IN Rock #2*

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**ULS Online Systems**

[CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)

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**Basic Search**

By Call Sign  =

**SEARCH**



# Universal Licensing System

FCC > WTB > ULS > Online Systems > License Search

[FCC Site Map](#)

Public Safety Pool, Conventional License - WPWF450 - CALIFORNIA, STATE OF

## Frequencies Summary

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[MAIN](#)
[ADMIN](#)
[LOCATIONS](#)
[FREQUENCIES](#)
[MAP](#)

Call Sign: WPWF450      Radio Service: PW - Public Safety Pool, Conventional

14 Frequencies for all locations  
20 Frequencies per Summary Page

Filter Frequencies By Location:  
All Locations

SC = Special Condition   
  TP = Termination Pending   
 Define View: **General** | [Buildout](#) | [COSER](#) | [Emission](#) | [IRAC](#)

Frequency	Loc#	Ant#	Freq ID	Station Class	Units	Paging Rec.	Output Power	Maximum ERP
<a href="#">000155.90250000</a>	<a href="#">1</a>	2	1	FB	1		28.000	16.000
<a href="#">000155.90250000</a>	<a href="#">1</a>	2	2	FB2	1		28.000	16.000
<a href="#">000155.90250000</a>	<a href="#">2</a>	2	1	FB	1		50.000	112.000
<a href="#">000155.90250000</a>	<a href="#">2</a>	2	2	FB2	1		50.000	112.000
<a href="#">000155.90250000</a>	<a href="#">3</a>	2	1	FB	1		23.000	13.000
<a href="#">000155.90250000</a>	<a href="#">3</a>	2	2	FB2	1		23.000	13.000
<a href="#">000155.90250000</a>	<a href="#">4</a>	2	1	FB	1		50.000	112.000
<a href="#">000155.90250000</a>	<a href="#">4</a>	2	2	FB2	1		50.000	112.000
<a href="#">000155.90250000</a>	<a href="#">6</a>	1	3	MO	600		50.000	50.000
<a href="#">000155.90250000</a>	<a href="#">7</a>	1	4	FBT	1		10.000	8.000
<a href="#">000155.90250000</a>	<a href="#">7</a>	1	5	FB2T	1		10.000	8.000
<a href="#">000159.27750000</a>	<a href="#">5</a>	1	2	FX1	1		50.000	89.000
<a href="#">000159.27750000</a>	<a href="#">7</a>	1	6	FX1T	6		10.000	10.000
<a href="#">000159.27750000</a>	<a href="#">8</a>	1	1	MO	600		50.000	50.000

14 Frequencies for all locations  
20 Frequencies per Summary Page

Filter Frequencies By Location:  
All Locations

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**Basic Search**      By Call Sign



# Universal Licensing System

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[FCC Site Map](#)

Public Safety Pool, Conventional License - WPWF450 - CALIFORNIA, STATE OF

## Locations Summary

[? HELP](#)

[New Search](#) [Refine Search](#) [Return to Results](#) [Printable Page](#) [Reference Copy](#) [Map License](#)

**MAIN** ADMIN LOCATIONS FREQUENCIES MAP

Call Sign: WPWF450 Radio Service: PW - Public Safety Pool, Conventional

8 Total Locations

10 Locations per Summary Page

Locations Displayed:

All | [Fixed](#) | [Mobile](#) | [Itinerant](#) | [Temp Fixed](#) | [6.1m](#)

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<a href="#">5 - Fixed</a>	2840 MOUNT DANAHAR ROAD CAMINO, CA EL DORADO County	38-44-41.0 N, 120-40-03.1 W P	
<a href="#">6 - Mobile</a>	40.0 km radius around centerpoint	38-45-00.0 N, 120-40-00.0 W	
<a href="#">7 - Temporary Fixed</a>	EL DORADO County, CA		
<a href="#">8 - Mobile</a>	30.0 km radius around centerpoint	38-45-00.0 N, 120-40-00.0 W	

8 Total Locations

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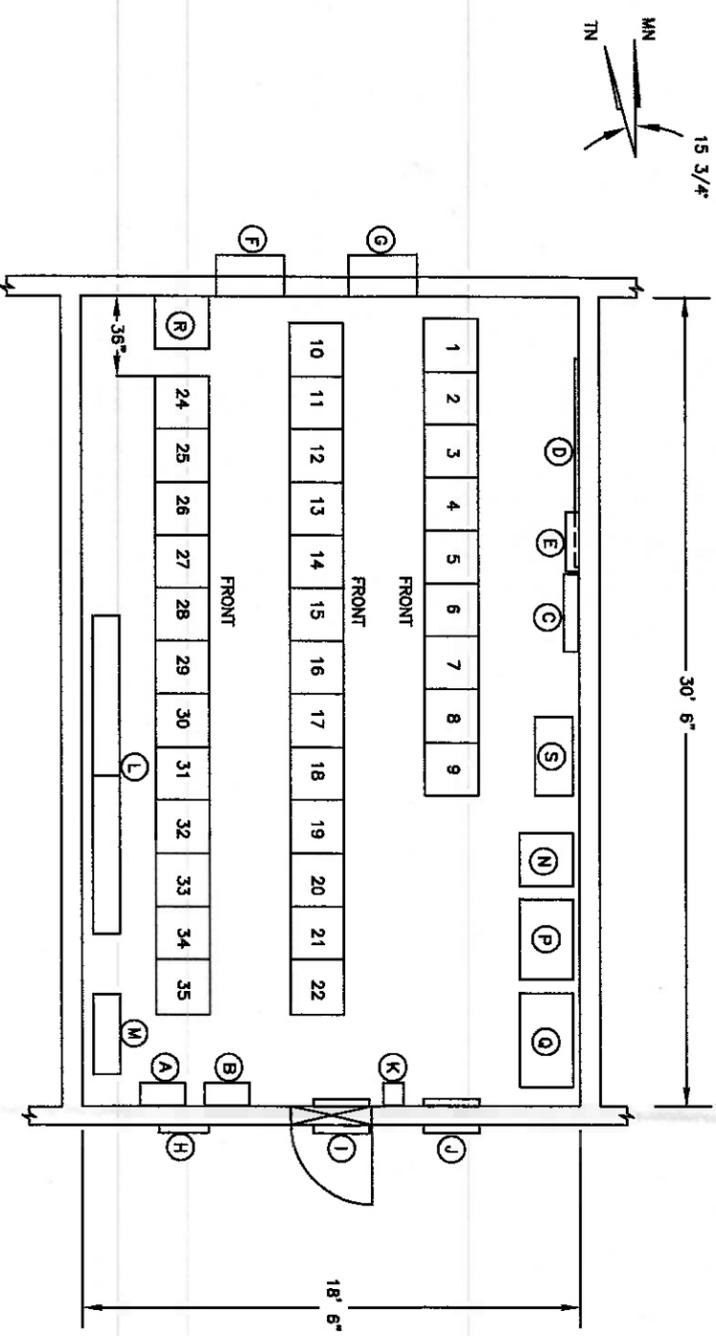
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**Basic Search**

By Call Sign  =

SEARCH

DESIGNATION	EQUIPMENT TYPE	DESCRIPTION
A	AC ELECT'L PANEL F	120/208VAC, 200A, 3P
B	AC TRANSFER PANEL	120/208VAC, 200A, 3P, 4W
C	LINE DEHYDRATOR	ANDREW, MT-300, ON WALL
D	TELCO BLOCK FRAME	4" H X 8" W X 3/4" T BOARD
E	CAPSNET PHONE-SPEAKER	
F	DEHYDRATOR TANK	TYPE 42813A, ON WALL
G	AIR COND. UNIT 1	5 TON WITH DISC. SW.
H	AIR COND. UNIT 2	5 TON WITH DISC. SW.
I	FEEDTHRU #2	SEE DWG -079
J	FEEDTHRU #3	SEE DWG -079
K	FEEDTHRU #1	SEE DWG -079
L	DISCONNECT SWITCH	DCM -48 V BAT BANK
M	BP CAVITIES USFS TRAVEL NET, USFS DISPATCHERS NET	TELEWAVE TWP0310-1 TELEWAVE TWP0410-1
N	BP CAVITIES, AIR GUARD	TELEWAVE TWP1508-2
P	DCM BATT. CHARGER	--48VDC, 100A
Q	DCM BATT. BANK	--48VDC
R	CABINET	--48VDC
S	STORAGE CABINET	CALOES-PSC EQUIPMENT



PLAN  
VAULT F  
SCALE IN FEET  
SCALE: 1/4" = 1'-00"

VAULT SPACE	AGENCY / OCCUPANT	DESCRIPTION
1	DCM CHANNEL BANKS	
2	CAPSNET PHONE SHELF, FOE SWITCH, & PHONE	
3	DCM	
4	DCM	
5	DCM DIGITAL XCONNECTS	TELLABS DCS 530A
6	DCM PSN, DSX JACKFIELDS	SITE CAMERA
7	OES P25 PH 2 REPEATER	
8	DCM RADIOS, DIGITAL/OES-EW	UNION HILL, EEW EQUIPMENT
9	OES 48V DC BBU	
10	DCM	
11	DCM	
12	DCM MP1S EQUIPMENT	
13	DCM NOKIA MDR-8000E RADIOS	WOLF SACRAMENTO TMC
14	DCM NOKIA MDR-8000E RADIOS	ZION, BERGUT, PRAIRIE CITY
15	DCM	
16	USFS TRAVEL NET, AIR GUARD	
17	USFS DISPATCHERS NET, AIR GUARD	
18	CDP	COMMAND 1, CDF-AVL
19	CHP (BLACK & GREEN BASE STA)	LOW BAND
20	CHP (BLUE BASE STATION)	LOW BAND
21	DOT	800 MHz (MAINTENANCE)
22	COMMON EQUIPMENT	800 MHz COMBINER/MULTICOUPLER
23	VHF CHARGERS	12 VDC SOURCE
24	VIP	TX: 439.24 RX: 147.225
25	USFS BATTERIES	
26	USFS	RX: 171.525 172.325 164.125, 164.625 TX: 169.950 173.7625 164.825, 166.125
27	EL DORADO CO. SHERIFF (COMBINER)	VHF HIGH
28	CHP (CAVITIES)	(4 EA, TX FOR BLACK & GREEN)
29	EL DORADO CO. MED NET/RESCUE FIRE	445.5-449.5 455.5-459.5 465.5-469.5
30	EL DORADO CO.	
31	COMBINER	
32	COMBINER	
33	COMBINER	
34	RX MULTICOUPLERS (LOW BAND)	4 EA CAVITIES, 42.64(GRN), 42.68(BLK), 42.36(BLU), 46.07(FUTURE)
35	RX MULTICOUPLERS (LOW BAND) CHP TX CAVITY (BLUE)	4 EA CAVITIES, 37.42(NOT CONNECTED?), 31.26(NOT CONNECTED?), 36.77(NOT CONNECTED?), 44.84(BLU TX)

NOTES:  
1. FOR NOTES, SEE SHEET 1.

REV	DATE	BY	DESCRIPTION	APP'D

TABLE OF CHANGES

PINE HILL L.O. (CDF) *	
VAULT LAYOUT	
FLOOR PLAN	
BUILDING 2, VAULTS E, F & G	
(KAISER BLDG)	
OWNER AGENCY:	CAD FILE NUMBER:
CDF	022330V1
ENR: DSM	UNR: DOT
DIR: DC	DATE: 6-7-00
SCALE: SHOWN	SHT: 3 OF .
DATE: 409170-060	REV: .

CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES  
PUBLIC SAFETY COMMUNICATIONS DIVISION  
801 SERENA AVENUE, SACRAMENTO, CA 95811-0231




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M E M O R A N D U M

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**Date:** February 27, 2025

**To:** Neal Banyard, Lands Unit Manager A-45  
 Supervisory Land Surveyor  
 Technical Services  
 1131 S Street  
 Sacramento, CA 95811

**From:** Yolanda Villasenor, Telecommunications Systems Manager I (Supervisor) *YV*  
 Public Safety Communications

**Subject:** CDF Radio Vault Space Application (TD-312) – Modification  
 El Dorado County Sheriff's Office – L-1810  
 Pine Hill L.O. – El Dorado County  
 CDF-VLT 002517

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A technical analysis of the attached TD-312, California Department of Forestry and Fire Protection (CDF), Radio Vault Space Application lease modification for the El Dorado County Sheriff's Office has been completed. The El Dorado County Sheriff's Office is requesting the following additional installations at the Pine Hill radio site:

Radios:

Three (3) Aviat WTM 4100 A2C - 11 GHz microwave radios installed behind the new Aviat antennas listed below.

Antennas:

Aviat AND-VHLP2-11W-GTU 2-foot parabolic dish at the 50-foot level  
 Aviat AND-VHLP3-11W-GTU 2-foot parabolic dish at the 54-foot level  
 Aviat AND-VHLP2-11W-GTU 2-foot parabolic dish at the 57-foot level

On the day of equipment activation an Office of Emergency Services, Public Safety Communications telecommunications technician must perform effective sensitivity measurements on the state agency receivers at this location both before and after the new equipment is placed into service. If more than 1 dB of degradation is noted, the new equipment must be deactivated until the problem is corrected, as confirmed by new measurements performed by Office of Emergency Services, Public Safety Communications technician.

The Office of Emergency Services, Public Safety Communications Area Supervisor must be contacted (916-894-5194 )at least two weeks in advance of the planned activation so that arrangements can be made for the tests.

This technical evaluation addresses co-location and interference issues only and makes no claim as to the structural suitability or MPE (Maximum Permissible Exposure) compliance of the proposed installation.

The El Dorado County Sheriff's Office will operate on the following frequencies:

<u>Transmitter #1</u> 10995 MHz (new)	<u>Receiver #1</u> N/A
<u>Transmitter #2</u> 10775 MHz (new)	<u>Receiver #2</u> N/A
<u>Transmitter #3</u> 11055 MHz (new)	<u>Receiver #3</u> N/A

The El Dorado County Sheriff's Office will occupy antenna space 46, 52 and 53 (Tower 3). See attached Antenna Space Assignment drawing 409170-063.

The Office of Emergency Services, Public Safety Communications-Special Projects Unit has reviewed the information provided and finds no technical reason to deny this application.

Based on information shown on the application, the Office of Emergency Services, Public Safety Communications technically approves this application. If at any time interference becomes a problem, it will be the responsibility of the El Dorado County Sheriff's Office to resolve.

Please contact Keith Estes, Senior Telecommunications Engineer at (916) 894-5228 or by email at [keith.estes@caloes.ca.gov](mailto:keith.estes@caloes.ca.gov) if you have any questions.

#### Attachments

cc: Brian Kunz, Senior Telecommunications Engineer, Natural Resources Agency Unit  
Art Alto, Area 35 Maintenance Supervisor, PSC  
Sarah Best, Associate Governmental Program Analyst, CDF



**APPLICATION SHEETS**

The Application Sheets are used to gather the appropriate administrative information to process the OES-PSC-312. These sheets must be completed, signed, and accompanied with the Technical Data Sheets.

**Applicant:** El Dorado County Sheriff's Office  
 (organization name)

200 Industrial Drive  
 (address)

Placerville, CA 95667  
 (city, state, zip)

(530) 642-4990  
 (telephone number)

fcc@edso.org or mitchelg@edso.org  
 (email address)

In accordance with the attached Technical Data Sheet(s), the application is hereby made to:

- Establish New Lease
- Modify Lease - describe specific changes below
- Renew lease - with modification as stated below
- Renew lease (no changes, technical sheets must be completed)
- Lease square feet \_\_\_\_\_

Description of request Add three 2' microwave radio/dish combo to the tower

Provide the site name and vault space: Pine Hill Current Lease is L-1810

Power requirements for operations of communications equipment are:

- Commercial and emergency power
- Commercial power only
- No power required

**NOTE:** Some radio vault facilities provide commercial and emergency power to each rack space without exception, and the tenant will be charged accordingly



**Person responsible for lease negotiations and submission of this application:**

Name Monica Ferguson  
 Address 200 Industrial Drive  
 City, State, and Zip Placerville, CA 95667  
 Telephone Number (530) 621-7613  
 Email Address fergusonm@edso.org

**Billing Information:**

Name El Dorado County Sheriff - Fiscal  
 Address 200 Industrial Drive  
 City, State, and Zip Placerville, CA 95667  
 Telephone Number \_\_\_\_\_  
 Email Address accountspayable@edso.org

**It is understood that if any subsequent on-site testing is required, it will be charged to the lessee at the current rate determined by the State. In addition, any required engineering or technician labor charges or parts procurement expenses, plus a program management fee, will be re-billed to the lessee at the current rates being charged by the State. Prior to these charges being incurred, a written estimate and acceptance document will be forwarded to the applicant for review and signature.**

Applicant: El Dorado County Sheriff's Office  
 By: Gary Mitchell  
 Title: Radio Maintenance Technician  
 Date: September 24, 2024

Receipt of a non-refundable \$5,000 application fee in the amount is hereby acknowledged. \_\_\_\_\_

STATE OF CALIFORNIA \_\_\_\_\_  
 By: \_\_\_\_\_  
 Date: \_\_\_\_\_

NOTE: A fee will be required when this agreement is renewed for a new term or when changes are made to an existing agreement and the preparation of a new lease agreement is required.



**ANTENNA DATA**

New Tenant: Provide data for each antenna to be installed at this vault facility and identify as **New (N)**.

Existing Tenant: Provide data for each antenna currently installed and identify as **Existing (E)**. If adding or removing an antenna; identify the appropriate action **New (N)**, **Removing (R)**.

46

Antenna Number	Make and Model	Length or M/W dish size	Gain (dBd) (dBi for M/W)	Azimuth (relative to true north)	*Height desired (feet)	Existing (E) Removing (R) New (N)
1	Comscope VHLP-11W/	.6m / 2ft	35.dbi	230	50'	N
2	Comscope VHLP-11W/	.6m / 2ft	35.dbi	90	54'	N
3	Comscope VHLP-11W/	.6m / 2ft	35.dbi	99	57'	N
4						
5						
6						
7						

2 ↑  
 2 ↓  
 4 ↑  
 4 ↓

\* For VHF antennas, show desired height to base of antenna support. For microwave dishes, show desired height to center of radiating element.

**AUXILIARY EQUIPMENT DATA**

For each transmitter, receiver, or combination, supply the following:



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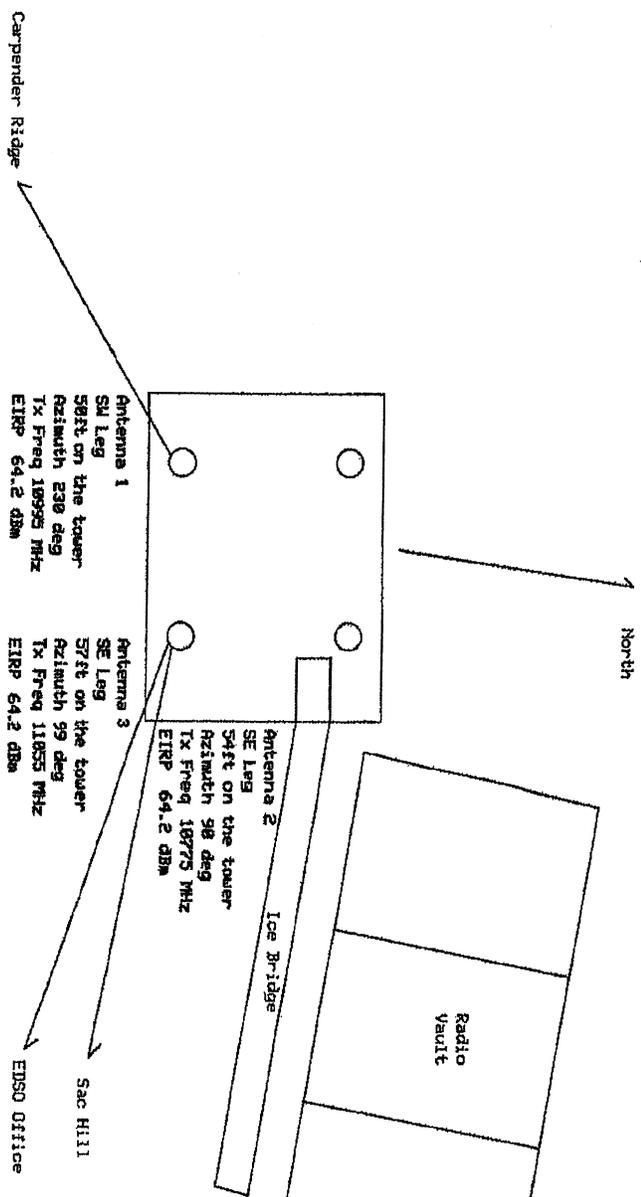
**SYSTEM BLOCK DIAGRAM:**

Please provide a block diagram of the proposed installation at this radio vault facility. Be sure to include all elements of the system, including transmitters, receivers, power sources, antennas, protective devices, telephone lines, multiplex circuits, etc. Use additional sheets if necessary. Refer to the attached example if desired. Please be sure to label the operating frequency of each piece of equipment in the system, as appropriate.

Insert block diagram



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**E1 Dorado Sheriff's Department**

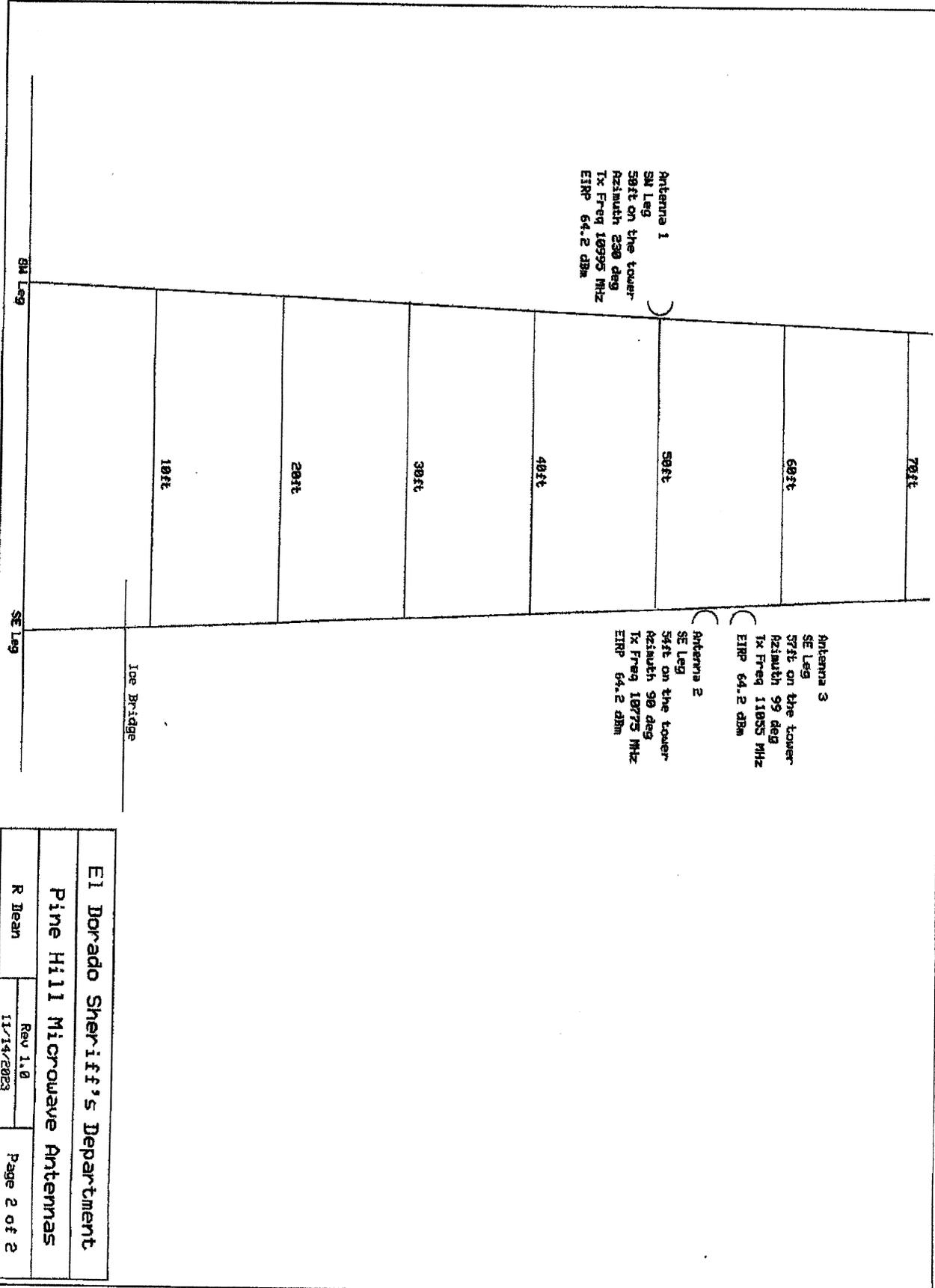
**Pine Hill Microwave Antennas**

R Dean	Rev 1.0	Page 1 of 2
	11/14/2023	

Antenna 1  
 SW Leg  
 58ft on the tower  
 Azimuth 230 deg  
 Tx Freq 10995 MHz  
 EIRP 64.2 dBm

Antenna 3  
 SE Leg  
 57ft on the tower  
 Azimuth 99 deg  
 Tx Freq 11855 MHz  
 EIRP 64.2 dBm

Antenna 2  
 SE Leg  
 54ft on the tower  
 Azimuth 90 deg  
 Tx Freq 10775 MHz  
 EIRP 64.2 dBm



SW Leg

SE Leg

Ice Bridge

E1 Dorado Sheriff's Department	
Pine Hill Microwave Antennas	
R Dean	Rev 1.0
	11/14/2023
	Page 2 of 2

**REFERENCE COPY**

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**Federal Communications Commission**

Public Safety and Homeland Security Bureau

**RADIO STATION AUTHORIZATION**

LICENSEE: El Dorado, County of

ATTN: COMMUNICATIONS DEPARTMENT  
EL DORADO, COUNTY OF  
200 INDUSTRIAL DR  
PLACERVILLE, CA 95667

<b>Call Sign</b> WRZH401	
<b>File Number</b> 0010740094	
<b>Radio Service</b> MW - Microwave Public Safety Pool	
<b>SMSA</b>	<b>Station Class</b> FXO

FCC Registration Number (FRN): 0022299101

<b>Grant Date</b> 11-01-2023	<b>Effective Date</b> 11-01-2023	<b>Expiration Date</b> 11-01-2033	<b>Print Date</b> 11-02-2023
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**LOCATION**

**Fixed Location Address or Area of Operation:**

1996 Caversham Way  
City: Folsom County: SACRAMENTO State: CA

Loc No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
001	CARPENTER RIDGE	38-38-57.0 N	121-05-58.2 W	252.0	
002	PINE HILL	38-43-09.6 N	120-59-25.8 W	622.7	

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No	Seg No	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam Reflector Ht(m)xWd(m)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
11485.0	0.00050	80M0D7W	64.200	05-01-2025	001	1	001	8.2	34.7	3.3	V	50.6	002	
11485.0	0.00050	80M0D7W	60.700	05-01-2025	001	1	001	8.2	34.7	3.3	V	50.6	002	
11485.0	0.00050	80M0D7W	61.700	05-01-2025	001	1	001	8.2	34.7	3.3	V	50.6	002	
11485.0	0.00050	80M0D7W	62.700	05-01-2025	001	1	001	8.2	34.7	3.3	V	50.6	002	
11485.0	0.00050	80M0D7W	63.700	05-01-2025	001	1	001	8.2	34.7	3.3	V	50.6	002	
11485.0	0.00050	80M0D7W	64.200	05-01-2025	001	1	001	8.2	34.7	3.3	V	50.6	002	
11485.0	0.00050	80M0D7W	64.200	05-01-2025	001	1	001	8.2	34.7	3.3	V	50.6	002	

**Conditions:**

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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**Federal Communications Commission**

Public Safety and Homeland Security Bureau

**RADIO STATION AUTHORIZATION**

LICENSEE: El Dorado, County of

ATTN: COMMUNICATIONS DEPARTMENT  
EL DORADO, COUNTY OF  
200 INDUSTRIAL DR  
PLACERVILLE, CA 95667

<b>Call Sign</b> WRZH403	
<b>File Number</b> 0010740086	
<b>Radio Service</b> MW - Microwave Public Safety Pool	
<b>SMSA</b>	<b>Station Class</b> FXO

FCC Registration Number (FRN): 0022299101

<b>Grant Date</b> 11-01-2023	<b>Effective Date</b> 11-01-2023	<b>Expiration Date</b> 11-01-2033	<b>Print Date</b> 11-02-2023
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**LOCATION**

**Fixed Location Address or Area of Operation:**

Pine Hill, End of Pine Hill Road (Pine Hill 1,T3 #008647--CAN)  
City: Rescue County: EL DORADO State: CA

Loc No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
001	PINE HILL	38-43-09.6 N	120-59-25.8 W	622.7	1036563
002	CARPENTER RIDGE	38-38-57.0 N	121-05-58.2 W	252.0	
003	SHERIFFS OFFICE	38-41-53.1 N	120-49-42.9 W	547.8	
004	SACRAMENTO H	38-43-07.2 N	120-47-44.0 W	687.6	

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No	Seg No	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam Reflector Ht(m)xWd(m)	POL (deg)	AZIM (deg)	Rec Loc No	Rec Call Sign
10995.0	0.00050	80M0D7W	60.700	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	
10995.0	0.00050	80M0D7W	61.700	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	
10995.0	0.00050	80M0D7W	62.700	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	
10995.0	0.00050	80M0D7W	63.700	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	
10995.0	0.00050	80M0D7W	64.200	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	

**Conditions:**

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: EL DORADO, COUNTY OF

Call Sign: WRZH403

File Number: 0010740086

Print Date: 11-02-2023

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No	Seg	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
											Reflector			
											Ht(m)xWd(m)			
10995.0	0.00050	80M0D7W	64.200	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	
10995.0	0.00050	80M0D7W	64.200	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	
10995.0	0.00050	80M0D7W	64.200	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	
10995.0	0.00050	80M0D7W	64.200	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	
10995.0	0.00050	80M0G7W	64.200	05-01-2025	001	1	001	15.2	34.7	3.3	V	230.6	002	
11055.0	0.00050	40M0D7W	62.700	05-01-2025	002	1	001	17.4	34.7	3.3	V	99.5	003	WRDI867
11055.0	0.00050	40M0D7W	63.700	05-01-2025	002	1	001	17.4	34.7	3.3	V	99.5	003	WRDI867
11055.0	0.00050	40M0D7W	64.200	05-01-2025	002	1	001	17.4	34.7	3.3	V	99.5	003	WRDI867
11055.0	0.00050	40M0D7W	64.200	05-01-2025	002	1	001	17.4	34.7	3.3	V	99.5	003	WRDI867
11055.0	0.00050	40M0D7W	64.200	05-01-2025	002	1	001	17.4	34.7	3.3	V	99.5	003	WRDI867
11055.0	0.00050	40M0D7W	64.200	05-01-2025	002	1	001	17.4	34.7	3.3	V	99.5	003	WRDI867
11055.0	0.00050	40M0G7W	64.200	05-01-2025	002	1	001	17.4	34.7	3.3	V	99.5	003	WRDI867
11055.0	0.00050	40M0D7W	60.700	05-01-2025	002	1	001	17.4	34.7	3.3	V	99.5	003	WRDI867
11055.0	0.00050	40M0D7W	61.700	05-01-2025	002	1	001	17.4	34.7	3.3	V	99.5	003	WRDI867
10775.0	0.00050	40M0D7W	64.500	05-01-2025	003	1	001	16.5	38.5	2.0	V	90.2	004	WRDI866
10775.0	0.00050	40M0D7W	65.500	05-01-2025	003	1	001	16.5	38.5	2.0	V	90.2	004	WRDI866
10775.0	0.00050	40M0D7W	66.500	05-01-2025	003	1	001	16.5	38.5	2.0	V	90.2	004	WRDI866
10775.0	0.00050	40M0D7W	67.500	05-01-2025	003	1	001	16.5	38.5	2.0	V	90.2	004	WRDI866
10775.0	0.00050	40M0D7W	68.000	05-01-2025	003	1	001	16.5	38.5	2.0	V	90.2	004	WRDI866
10775.0	0.00050	40M0D7W	68.000	05-01-2025	003	1	001	16.5	38.5	2.0	V	90.2	004	WRDI866
10775.0	0.00050	40M0D7W	68.000	05-01-2025	003	1	001	16.5	38.5	2.0	V	90.2	004	WRDI866
10775.0	0.00050	40M0D7W	68.000	05-01-2025	003	1	001	16.5	38.5	2.0	V	90.2	004	WRDI866
10775.0	0.00050	40M0G7W	68.000	05-01-2025	003	1	001	16.5	38.5	2.0	V	90.2	004	WRDI866

Waivers/Conditions:

NONE



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### GENERAL INFORMATION

The State of California operates telecommunications facilities at numerous mountaintop locations throughout the State. These facilities were developed for use by State agencies requiring radio communications.

Space at these facilities is made available to other than State of California users when it is surplus to the State's requirements. As the space is limited, State of California agencies are always given first priority. Non-state applicants will be considered in the following order:

1. Federal government agencies
2. Local government agencies
3. Public utilities
4. Private sector entities

In making space available, the State of California attempts to recover its operating, maintenance, and management costs. Users are not guaranteed that State facilities will be accessible or operable at all times. Leases are generally issued for five-year periods; in some circumstances, the lease period may vary. Leases will be considered for renewal at the end of their term, subject to the space requirements of the State of California.

The rates charged for occupancy of radio vaults controlled by the California Department of Forestry and Fire Protection (Cal Fire) will be negotiated for this lease. Applications shall be directed to the following address:

California Department of Forestry and Fire Protection  
Technical Services Office  
Towers & Vaults Unit  
PO Box 944246  
Sacramento, CA 94244-2460

The State must review, manage and engineer any proposed installation. In so doing, the potential tenant will be required to pay a non-refundable application fee when this formal application for access to a Cal Fire controlled vault is submitted. The application fee of \$5,000.00 must accompany this application when submitted to Cal Fire for review. Make the check payable to the "State of California, Department of Forestry and Fire Protection".

Once a new application has been received by Cal Fire Headquarters, it will be logged in for processing and will be prioritized based upon workload guidelines shown in paragraph two above. The OES-PSC-312 will be forwarded to the local ranger unit staff for evaluation. If it is felt to be appropriate, it will continue in its processing; if it is deemed inappropriate, either due to no space being available or due to the negative impact that the installation would have on Cal Fire operations, the application will be returned without further action.

As a part of this process, the OES-PSC-312 will be forwarded to the Cal OES - Governor's Office of Emergency Services (OES), Public Safety Communications (PSC) for technical review. A study will be performed to determine the impact of the application on the existing users at the site, and specific recommendations will be made. In cooperation with the applicant, the State will attempt to meet all users' operational requirements; however, if serious technical difficulties are found, this will result in the cancellation of the OES-PSC-312.



Any subsequent time required for site engineering, antenna or combining system upgrades, or technician labor will be borne by the applicant at the current rate. The applicant will be notified by the Department of General Services (DGS), Real Estate Service Division (RESA) of the amount due prior to occupancy of the vault. No further processing of the application will take place until a written approval of these expenses, as well as a commitment to pay, is received from the applicant by RESA. **NOTE:** Modification of site-master antenna or combining systems may NOT be done by a tenant. Such modifications must be designed by OES-PSC engineering and installed by OES-PSC approved technician resources.

A fee will be required when this agreement is submitted for renewal, or when changes are made to an existing agreement and the preparation of a new agreement is necessary. **NOTE:** The addition or deletion of any transmitting or receiving frequencies, antennas or equipment is cause for submitting a new form OES-PSC-312. Paperwork must be submitted to and approved by Cal Fire prior to the proposed changes taking place in the facility.

It shall be understood by all applicants that the State is NOT obligated to upgrade any facility to accommodate any lessee. Any improvement required prior to the entry shall be the sole financial responsibility of the lessee. The lessee shall be notified in writing of the upgrades required to accommodate their installation, and payment for these upgrades must be arranged prior to the installation of any such equipment. Any said improvements, including the installation or modification of site-master antenna, combining or power systems, shall remain the property of Cal Fire unless otherwise stipulated in the lease. **NOTE:** This excludes the actual radio transmitting and receiving equipment, as well as individual antennas installed for the sole use of the lessee and not part of a master-site arrangement.

Please complete, sign, and return the attached "Application" sheets and "Technical Data" sheets to make a formal application. Please note that the information on the "Technical Data" shall reflect what the applicant desires to install at the facility. Upon completion of engineering analysis of the application, the tenant's actual installation requirements may require some design changes to ensure the integrity of the State's telecommunications operational requirements. This required design criteria will be outlined in writing and incorporated as a condition of the lease agreement.

All requested information must be supplied to have this application processed. Failure to do so will result in the application being returned for resubmission, complete with an additional non-refundable application fee. Processing time will also be delayed accordingly.

Please attach separate sheets for any remarks or special comments required.



**TECHNICAL REQUIREMENTS FOR CAL FIRE-CONTROLLED SITES**

The following are the maximum radio frequency power outputs for radio equipment in Cal Fire-controlled facilities:

<b>RADIO SERVICE</b>	<b>FREQUENCY RANGE</b>	<b>MAXIMUM TRANSMITTER POWER OUTPUT TO ANTENNA</b>
<b>FM Broadcast</b>	88-108 MHz	1000 watts
<b>Television Broadcast</b>	54-72 MHz, 76-88 MHz, 174-216 MHz, 470-698 MHz	500 watts
<b>AM Broadcast</b>	535-1705 kHz	10 watts
<b>VHF Low Band</b>	28-54 MHz	120 watts
<b>VHF Mid Band</b>	72-76 MHz	50 watts
<b>VHF High Band and UHF</b>	136-512 MHz	150 watts
<b>700/800/900 Band</b>	698-952 MHz	125 watts
<b>Point to Point Microwave</b>	952-960 MHz	20 watts
<b>Point to Point Microwave</b>	1700-2600 MHz	10 watts
<b>Licensed wireless and mobile telephone</b>	1805-2690 MHz	50 watts
<b>Point to Point Microwave</b>	2.6-40 GHz	3 watts

The following additional standards must be adhered to for any installation at a Cal Fire-controlled site:

1. A copy of the FCC license or NTIA authorization, or an approved and completed "FCC ID tag", along with the name and phone number of the person responsible must be posted on each transmitter.
2. Control stations and "inverted pairs" on FCC-designated repeater channels will generally not be allowed at a site.
3. Only transmitters authorized by the FCC for that service, designed for use in a high-RF, multi-user environment will be allowed to be installed at a site. All equipment shall be installed and operated in accordance with the site lessor's authorization and approval.
4. Transmitters and receivers will be combined and/or multi-coupled to the maximum extent possible, consistent with the specific system performance requirements of the lessee. A one-time "site assessment" cost may be incurred.
5. All systems NOT connected to the lessor's combining network must be installed to comply with site standards, require lessor's prior engineering approval and meet the following minimum requirements:



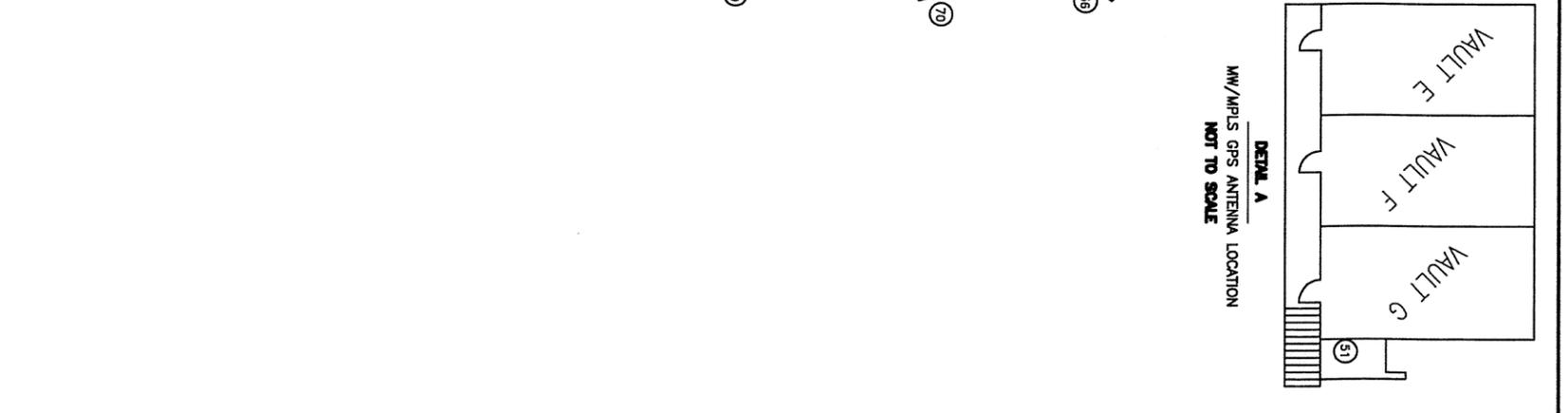
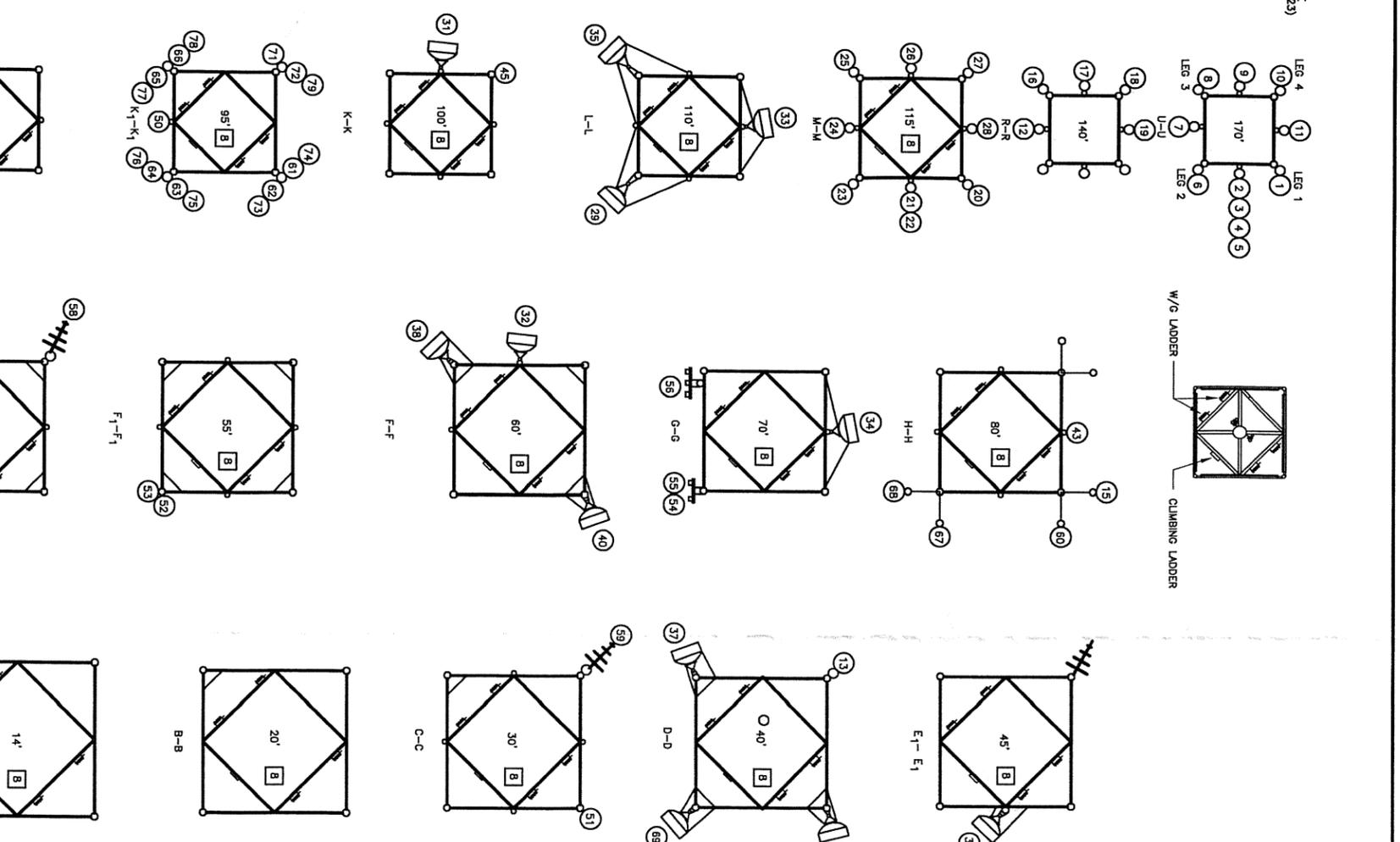
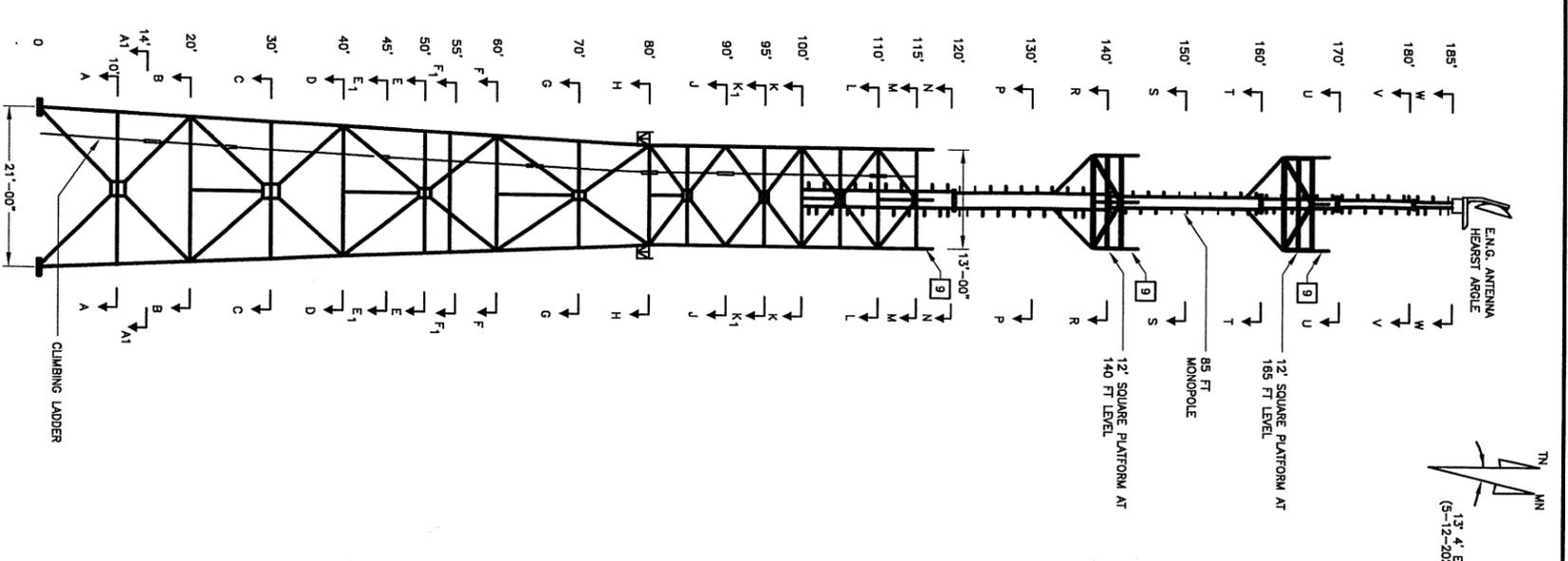
- a) Each transmitter shall have a protective isolator, harmonic filter, and band-pass cavity (BPC) which meets the minimum attenuation levels listed in Table I. The isolator and harmonic filter shall precede the BPC in the transmit path;
- b) Pass/Reject or notch-type duplexers must include a BPC meeting the requirements in Table I in the transmit leg prior to the duplexer input port;
- c) Additional filters, BPC's, isolators and other hardware may be required at the lessee's expense to correct site problems as a result of the lessee's installation;
- d) RF cabling between pieces of equipment within a rack shall be of double-shielded or solid outer conductor variety, such as RG-214, RG-142 or RG-400 cables. NOTE: In general, cabling supplied within a manufacturer's piece of equipment is sufficient to meet this requirement. In some circumstances, however, it may become necessary to modify the equipment to meet the special needs of the site;
- e) RF cabling between racks of equipment in a vault, including cables to and from combining equipment and antenna feed-through ports, shall be of the solid outer conductor variety. In general, all receive lines within the vault shall be 1/4" or 1/2" diameter, such as Andrew FSJ1-50B, FSJ4-50B or equivalent; all transmit lines within the vault shall be 1/2" diameter, such as Andrew FSJ4-50B or equivalent. All feedlines outside the vault, such as between the antenna pigtail and the lightning arrestor plate, shall be at least 1/2" diameter solid-shield cable equivalent to Andrews LDF4-50A HELIAX;
- f) RF connectors on transmit cables shall be Type "N" wherever possible unless the particular piece of manufacturer's equipment has another type of connector installed. RF connectors on receive cables MAY be Type "BNC", although Type "N" is highly recommended. Again, if the manufacturer's equipment has another type of connector installed, this type of connector is acceptable for that junction;
- g) Tiewraps designed for external use, such as the Panduit "76" series TEFZEL cable tie, or another insulated clamp or strap shall be used to secure transmission lines to towers and/or cable ladders. Rubber "donut"-type hangers such as those manufactured by Microflect are also acceptable to be used to secure transmission lines. **Metal clamps, "wraplock", "Band-It" ties, or similar metal strapping for attaching feedlines to a mounting structure is prohibited at Cal Fire facilities.** If the facility has a wood-pole structure for mounting antennas, the use of utility pipe clamps or conduit clamps is permitted for fastening the feedline to the structure;
- h) Cal Fire telecommunications facilities are generally designed to accommodate equipment housed in 7'6" tall open frame relay racks, such as the Chatsworth model 46050-505 rack. Racks shall be fastened to the floor with an approved anchor, and connected to an overhead cable tray via an approved method, such as via a length of Chatsworth 11450-001 framing channel and using "J-bolt" kits. A rack elevation diagram is attached to illustrate how equipment will be housed in the 7'6" rack. Complete/return this diagram with the application form;
- i) Most Cal Fire telecommunications sites have extensive lightning and surge protection systems installed, including lightning arrestor mounting panels. All transmission lines must enter and exit the vault via one of these entry panels using the approved method outlined in the technical requirements of the lease document;



- j) All equipment installed in a Cal Fire telecommunication site must be connected to the site's ground system. Generally, a ground pigtail will be supplied in the cable tray above the equipment rack. All connections to the ground system must be made via compression fittings or bolted joints. "Split-bolt" connectors are unacceptable as junctions;
- k) All antenna mounts shall be hot-dip-galvanized, and all mounting hardware shall be either hot-dip-galvanized or stainless-steel. Electro-galvanized or plated material for mounting of antennas is not permissible. The use of aluminum for mounting cross-arms or cross-over plates is allowed. At sites where wood pole structures are used, it is not permitted to drill holes through the poles to mount antennas or cross-arms. The only acceptable method of mounting an antenna to such a structure is via a "collar" that clamps around the entire circumference of the pole, sandwiching the pole inside. Such a collar must also be hot-dip-galvanized in construction and use galvanized or stainless-steel hardware.

**TABLE ONE**

<b>FREQUENCY BAND</b>	<b>ISOLATOR REVERSE ISOLATION</b>	<b>BPC ATTENUATION AT FREQUENCY FROM CARRIER</b>
<b>28-54 MHz</b>	15 dB	20 dB at 600 kHz
<b>72-76 MHz</b>	25 dB	20 dB at 600 kHz
<b>136-174 MHz</b>	25 dB	30 dB at 2 MHz
<b>406-512 MHz</b>	25 dB	15 dB at 2 MHz
<b>698-960 MHz</b>	25 dB	20 dB at 10 MHz



- NOTES:**
- DRAWING CHANGES REQUIRE VAULT MANAGER'S APPROVAL.
  - ALL STATE FED-THROUGH-PLATE ENTRY ASSIGNMENTS FOR FUTURE INSTALLATIONS WILL BE DONE AS REQUIRED. SEE DWG: 409170-079.
  - THE ANTENNA AND FEEDLINES LISTED ON TABLE 2 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 3 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 4 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 5 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 6 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 7 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 8 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 9 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 10 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 11 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 12 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 13 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 14 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 15 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 16 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 17 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 18 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 19 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 20 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 21 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 22 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 23 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 24 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 25 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 26 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 27 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 28 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 29 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 30 ARE FOR TOWER DESIGN USE ONLY. THE ANTENNA AND FEEDLINE LISTED ON TABLE 31 ARE FOR TOWER DESIGN USE ONLY.
  - THE ANTENNA DATA, TABLE 1, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 2, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 3, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 4, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 5, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 6, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 7, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 8, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 9, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 10, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 11, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 12, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 13, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 14, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 15, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 16, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 17, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 18, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 19, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 20, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 21, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 22, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 23, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 24, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 25, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 26, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 27, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 28, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 29, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 30, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 31, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY.
  - THIS TOWER HAS A TOWER LEG NUMBER ONE. FIND TOWER LEG POINTING TO TRUE NORTH. YOU MAY WANT TO CHECK THE TOWER LEG NUMBER ONE. YOU RUN INTO IS TOWER LEG NUMBER ONE.
  - REFER TO THE ANTENNA COLOR CODE TABLE 3 ON SHEET 4 FOR ANTENNA COLOR CODING INFORMATION FOR ANTENNAS AT ALL TOWER POSITIONS.
  - MICROWAVE DISHES LABELED 'FUTURE' ARE INTENDED FOR NON-STATE MICRO-WAVE TENANTS. DISHES LABELED 'DOM FUTURE' ARE INTENDED FOR STATE MICROWAVE SYSTEM USE BUT ARE NOT RESERVED BY COM 310/311/312. ANY PAYING TENANT, ONE WHO HAS FILED A COM 310/311/312 WILL RECEIVE PRIORITY AND BE ABLE TO INSTALL HIS DISH IN ANY FUTURE OR DOM HAVE UNIT FUTURE OR STATE TENANT. ANY DISH LABELED 'DOM FUTURE' OR 'STATE FUTURE' WILL BE NOTIFIED IN ADVANCE OF ANY NON-STATE TENANT USING A DOM FUTURE LABELED POSITION.
  - THE ANTENNA POSITIONS HAVE BEEN IDENTIFIED WITH POSITION NUMBERS BASED UPON TOWER ELEVATION. ANTENNA POSITION 80-2 FOR EXAMPLE, IS AT AN ELEVATION OF 80'.
  - THIS ANTENNA DATA, TABLE 1, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 2, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 3, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 4, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 5, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 6, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 7, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 8, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 9, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 10, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 11, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 12, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 13, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 14, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 15, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 16, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 17, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 18, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 19, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 20, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 21, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 22, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 23, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 24, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 25, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 26, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 27, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 28, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 29, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 30, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY. THE ANTENNA DATA, TABLE 31, IS THE ACTUAL, AS-INSTALLED TOWER LOAD. THIS INFORMATION IS INTENDED TO BE USED FOR TOWER DESIGN PURPOSES ONLY.
  - TABLE 2 LISTS THE ACTUAL TOWER DESIGN LOAD AS REFERENCED TO SHEET 3 OF THIS DRAWING. THIS TABLE MUST NOT BE CHANGED. ANY AS-INSTALLED DEVIATIONS FROM THIS TABLE MUST BE SHOWN ONLY ON TABLE 1 ON DRAWING SHEET 2.
  - UNCONFIRMED OR UNKNOWN.
  - D1-D5 ARE SATELLITE ANTENNAS  
D1= AT&T COMMUNICATOR, ROOM A  
D2= METROCALL, ROOM A  
D3= AT&T COMMUNICATOR, ARCH WIRELESS, ROOM A  
D4= VERIZON, ROOM C  
D5= VERIZON, ROOM C
  - 2170-2180 MHz, 3700-3780 MHz, 2110-2130 MHz, 1865-1970 MHz, 746-757 MHz.

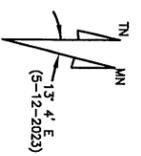
REV	DATE	BY	DESCRIPTION
AK	1-16-23	MD	ADD ANTENNA #46, 52 & 53
AJ	1-25-24	MD	CHANGE LETTER SECTION WORKING FOR CELLULAR ANTENNAS, ADD 50 ROUNDER SIZES 9 & 10 TO SET # 2 & 3
AK	5-12-23	NOK	Q&A-8620000- UPGRADE DESIGN FOR ANT # 23 - AIR UPGRADE WIRELESS DECLINATION, ADD DETAIL A AND ANT #1 FOR MW/MP/S GPS
AK			UPGRADE ANTENNA 45 POSITION FROM 100-4 TO 100-1 (3-14-23)
AK			

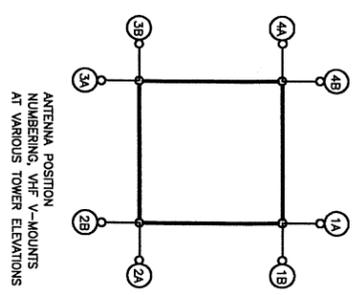
NO	DATE	BY	DESCRIPTION
1			TABLE OF CHANGES

NO	DATE	BY	DESCRIPTION
1			TABLE OF CHANGES



ANTENNA POSITION NUMBERING, VARIOUS TOWER ELEVATIONS



ANTENNA POSITION NUMBERING, VHF-V-MOUNTS AT VARIOUS TOWER ELEVATIONS

ITEM NUMBER	ANTENNA POSITION (FT)	AGENCY	TX (MHz)	RX (MHz)	TYPE	MANUFACTURER	MODEL	LENGTH/DIAMETER FT	ABOVE SUPPORT FT	BELOW SUPPORT FT	AZIMUTH (TN) DEGREES	YEAR INST.	TRF PNT	FEEDLINE COLOR	FEEDLINE (R/N/B/W)	DESCRIPTION AND NOTES
1	185-1	MULTI	NA	160-174	OMNI	DB	DB618-9C	19/2/25	19	-	295	2020	2	GRN-GRN-GRN	LD5-50	
2	185-1.5	MULTI	NA	30-40	OMNI	SRL	SRL-110A	15/1/5	7	8		1998	2	GRN-GRN-RED	LD5-50	TWO ANTENNAS ON POLE
3	185-1.5	MULTI	NA	40-50	OMNI	SRL	SRL-110A	15/1/5	7	8		2009	2	GRN-GRN-PURPLE	LD5-50	SHARED WITH ABOVE, TOP SUPPORTED
4	185-1.5	MULTI	NA	408-430	2-STKCK DIPOLES	DB	DB404A	5/1/75	5	-	00	1998	2	GRN-GRN-RED-BRN	LD5-50	ABOVE LB RX POLE
5	185-1.5	MULTI	NA	160	YAGI	DB	DB404A	5/1/75	5	-		1998	2	GRN-GRN-RED	LD5-50	
6	185-2	MULTI	NA	150-164	OMNI	DB	DB618-4B	19/2/25	18	-		1998	2	GRN-GRN-BLU	LD5-50	
7	185-2.5	CALDES PSC RX (CRS)	768.40625 770.65625 773.30625 773.59375 774.08125 774.34375	804.34375	OMNI	SINCLAIR	SC478-HF1DF(003)	15/3/5	15	-		2019	2	GRN-GRN-BLU	AV5-50	MAIN RX CRS PROJECT
8	185-3	DOT/MULTI	NA	808-898	OMNI	DB	DB608K-XT	15/2/25	15	-		1998	2	GRN-GRN-GRN	LD7-50	
9	185-3.5	MULTI	NA	440-470	OMNI	HUSTLER	HK10-440D0	19/2/25	19	-		1998	2	GRN-GRN-RED	LD7-50	
10	185-4	MULTI	NA	900	OMNI	RYAN SUPPLIED						1998	2	GRN-GRN-BLU	LD7-50	
11	185-4.5	MULTI	NA	804.08125	SPARE	FLURINE	SC478-HF1DF(003)	15/3/5	15	-		1998	2	GRN-GRN-ORG	AV5-50	MAIN TX CRS PROJECT
12	140-2.5	CALDES PSC TX (CRS)	768.40625 770.65625 773.30625 773.59375 774.08125 774.34375	804.34375	OMNI	SINCLAIR	SC478-HF1DF(003)	15/3/5	15	-		2019	2	GRN-GRN-BLU	AV5-50	MAIN RX CRS PROJECT
13	40-4	OES-E2W	960	960	YAGI	KATHREIN	T-900	2	1	-	295	2020	2	YEL-GRN-GRN-BRN	LD5-50	EARLY EARTHQUAKE WARNING
14	40-4	OES-E2W	N/A	1525/142	GRS	TRIUMBE	BULLET	4/7/3	3/7	-		2020	2	YEL-GRN-RED-BRN	FS4-50B	EARLY EARTHQUAKE WARNING
15	80-1A	GR-AWL	155.12/5	155.76/5	OMNI	RFS CEIWAWE	BA1010-1	15/2/25	15	-	90	2017	2	YEL-GRN-RED-RED	LD5-50	
16	140-3	DOT/MULTI	851-940	NA	OMNI	DB	DB608K-XT	20/2/25	20	-		1998	2	BRN-GRN-GRN	LD5-50	
17	140-3.5	MULTI	440-470	NA	OMNI	SIR	SD314-H	19/2/25	19	-		2013	2	BRN-GRN-RED	LD5-50	
18	140-4	VICANT	NA	NA	OMNI								2	PURPLE	LD5-50	VERIZON (UNCONFIRMED)
19	140-4.5	UNKNOWN	136-174	NA	OMNI	SRL	SRL-235-2	20/2/25	20	-		1998	2	YEL-GRN-GRN-BRN	LD5-50	
20	115-1.5	GRF	31	NA	OMNI	KRECO	CO-41A	15/2	15	-		1996	2	YEL-GRN-RED-BRN	LD5-50	
21	115-1.5	USFS	180	NA	YAGI							1998	2	YEL-GRN-RED-RED	LD5-50	
22	115-1.5	USFS	136-174	NA	OMNI	SRL	SRL-235-2	20/2/25	20	-		1998	2	YEL-GRN-BLU-BRN	LD5-50	TOP SUPPORT
23	115-2	MULTI	45.36/44.66	NA	OMNI	SINCLAIR	SD110-SFPASMM	10/2	10	-		2009	2	PURPLE	LD5-50	
24	115-2.5	CHP TX	48.80	NA	OMNI	DB PRODUCTS	CO-41A	15/2	15	-		2002	2	YEL-BRN-BLU-BRN	LD5-50	
25	115-3	EL DORADO CO	450	450	OPEN DIPOLES											
26	115-3.5	VERIZON	450	450	OMNI	KRECO	CO-41A	15/2	15	-		2002	2	YEL-BRN-ORG-BRN	LD5-50	
27	115-4	USFS TX	46.97	NA	OMNI	KRECO	CO-41A	15/2	15	-		2002	2	YEL-BRN-ORG-BRN	LD5-50	
28	115-4.5	USFS TX	38.79	NA	OMNI	KRECO	CO-41A	15/2	15	-		2002	2	YEL-BRN-ORG-BRN	LD5-50	
29	108-2	PSC MW	6034.15V	6286.19H	DISH	ANDREW	UH8-59 W RF	8	4	4	141	2014				
30	108-2	PSC MW	6034.15V	6286.19H	DISH	ANDREW	UH8-59 W RF	8	4	4	141	2014				
31	98-3.5	PSC MW	6034.45V	6345.49V	DISH	ANDREW	PARX8-59 W RF	8	4	4	253	2014				
32	60-3.5	PSC MW	6345.49V	6345.49V	DISH	ANDREW	PARX8-59 W RF	8	4	4	253	2014				
33	108-4.5	PSC MW	5945.2V	6197.24V	DISH	ANDREW	UH810-59 RF	10	5	5	348.3	2014				
34	65-4.5	PSC MW	6197.24V	6197.24V	DISH	ANDREW	UH810-59 RF	10	5	5	348.3	2014				
35	108-3	PSC MW	6197.24V	6197.24V	DISH	ANDREW	PARX8-59	8	4	4	238	2014				
36	47-1.5	PSC MW	6197.24V	6197.24V	DISH	COMMSCOPE	USR8-6W	8	4	4	82.62	2023				
37	40-3	PSC MW	900	900	DISH	ANDREW	UH8-1071 RF	8	4	4	228.3	2014				
38	60-3	PSC MW	450	450	DISH	ANDREW	PARX8-59	8	4	4	238	2014				
39	34-1	UNKN	450	450	YAGI	UNKN		1	0.5	0.5	240	2014				
40	33-1	UNKN	450	450	YAGI	UNKN		1	0.5	0.5	240	2014				
41	40-4	UNKN	UNKN	UNKN	OMNI	UNKN		4	2	2	096					
42	100-1.5	UNKN	UNKN	UNKN	PANEL	UNKN		4	2	2						
43	80-1.5	SKYTEL	UNKN	UNKN	PANEL	UNKN		2	2	0						
44	62-1.5	VERIZON	UNKN	UNKN	GRID DISH	UNKN		8	4	4	120	2022				
45	100-1	P&R	797.5125	787.5125	10 dBD PANEL	MINOMAX	AM1-750-800-009-902H	1	1	0.5	347	2024				
46	50-3	EL DORADO S.O.	10985	NA	DISH	AVAT	AM1-750-800-009-902H	2	2	1	230	2024				
47	80-48	ATC	900	UNKN	OMNI	UNKN		8	4	4	228.3	2014				
48	27.4	STATE	450	450	YAGI	UNKN		1	0	0	270	2019				
49	28-4	STATE	450	450	YAGI	UNKN		1	0	0	240	2019				
50	95-2.5	CALDES PSC (CRS)	700-1000	700-1000	OMNI	SINCLAIR	SC478-HF1DF(003)	15/3/5	15	-		2023				
51	14-SW	PSC MW	10775	1575.42	OMNI	AVAT	0810383	1	1	-	99	2024				
52	57-2	EL DORADO S.O.	11055	NA	DISH	AVAT	AM1-750-800-009-902H	2	2	1	230	2024				
53	54-2	EL DORADO S.O.	11055	NA	DISH	AVAT	AM1-750-800-009-902H	2	2	1	230	2024				
54	70-2A	AT&T	700/1900	700/1900	PANEL	ANDREW	AM1-750-800-009-902H	3	1.5	1.5	90	2024				
55	70-2B	AT&T	700/1900	700/1900	PANEL	ANDREW	AM1-750-800-009-902H	3	1.5	1.5	90	2024				
56	70-3	AT&T	700/1900	700/1900	PANEL	UNKN	AM1-750-800-009-902H	8	4	4	180	2014				
57	25-1	CDF	168.625	168.625	3 EA. PANEL	CEIWAWE	BA1010-2	5	5	4	180	2018				
58	50-4	USFS RX	NA	35.77	YAGI	DB	DB230	14	7	7	299	2002				
59	30-4	USFS RX	NA	41.79	YAGI	DB	DB230	10	5	5	299	2002				
60	80-1	VERIZON	UNKN	UNKN	PANEL	UNKN										
61	95-1	VERIZON	UNKN	UNKN	PANEL	UNKN										
62	95-1	VERIZON	UNKN	UNKN	PANEL	UNKN										
63	95-2	VERIZON	UNKN	UNKN	PANEL	UNKN										
64	95-2	VERIZON	UNKN	UNKN	PANEL	UNKN										
65	95-3	VERIZON	UNKN	UNKN	PANEL	UNKN										
66	95-3	VERIZON	UNKN	UNKN	PANEL	UNKN										
67	80-2	VERIZON	UNKN	UNKN	PANEL	UNKN										
68	80-2	CHP TX	44.84	UNKN	OMNI	KRECO	CO-41A	15	15	1	204.84	2010				
69	40-2	VERIZON	10.750	11.425	DISH	GABRIEL	HE4-107	4	2	2	88.43	2010				
70	40-1	VERIZON	10.750	11.425	DISH	GABRIEL	HE4-107	4	2	2	88.43	2010				
71	95-4	VERIZON	UNKN	UNKN	PANEL	UNKN										
72	95-4	VERIZON	UNKN	UNKN	PANEL	UNKN										

TABLE 1 CONTINUED IN SHEET 3

TABLE 1 NOTE 18

REV	DATE	BY	DESCRIPTION

PINE HILL L.O. (COP)* ANTENNA SPACE ASSIGNMENT (185 FOOT 4-LEG TOWER)	OWNER ADDRESS: ONE RGA ONE DC SCALE NONE INT. 2 ON	JOB FILE NUMBER: 019403K1
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CUSTOMER OPERATOR'S OFFICE OF SUPERVISOR SERVICES 601 SERRANO AVENUE, SUITE 200, SAN JOSE, CA 95128-1331	DATE: 4/2/2024 TIME: 2:00 PM BY: P	PHONE: 409170-063
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**EXHIBIT C-1 - LEASE PAYMENT SCHEDULE  
COMPUTATION OF ANNUAL RENTAL PAYMENTS  
Pine Hill - El Dorado County - California**

<u>TERM OF LEASE</u>	<u>ANNUAL RENTAL PAYMENT</u>	<u>50% Rent for DGS</u>	<u>50% Payment for CAL FIRE</u>
3/1/2026 - 6/30/2026	\$ 216	\$ 108	\$ 108
7/1/2026 - 6/30/2027	\$ 10,932	\$ 5,466	\$ 5,466
7/1/2027 - 6/30/2028	\$ 11,260	\$ 5,630	\$ 5,630
7/1/2028 - 6/30/2029	\$ 11,598	\$ 5,799	\$ 5,799
7/1/2029 - 6/30/2030	\$ 11,946	\$ 5,973	\$ 5,973
7/1/2030 - 6/30/2031	\$ 12,304	\$ 6,152	\$ 6,152
7/1/2031 - 6/30/2032	\$ 12,673	\$ 6,337	\$ 6,337
7/1/2032 - 6/30/2033	\$ 13,053	\$ 6,527	\$ 6,527
7/1/2033 - 6/30/2034	\$ 13,445	\$ 6,722	\$ 6,722
7/1/2034 - 6/30/2035	\$ 13,848	\$ 6,924	\$ 6,924
7/1/2035 - 6/30/2036	\$ 14,264	\$ 7,132	\$ 7,132
7/1/2036 - 6/30/2037	\$ 14,692	\$ 7,346	\$ 7,346
7/1/2037 - 6/30/2038	\$ 15,132	\$ 7,566	\$ 7,566
7/1/2038 - 6/30/2039	\$ 15,586	\$ 7,793	\$ 7,793
7/1/2039 - 6/30/2040	\$ 16,054	\$ 8,027	\$ 8,027
7/1/2040 - 6/30/2041	\$ 16,536	\$ 8,268	\$ 8,268
7/1/2041 - 6/30/2042	\$ 17,114	\$ 8,557	\$ 8,557
7/1/2042 - 6/30/2043	\$ 17,713	\$ 8,857	\$ 8,857
7/1/2043 - 6/30/2044	\$ 18,333	\$ 9,167	\$ 9,167
7/1/2044 - 6/30/2045	\$ 18,975	\$ 9,488	\$ 9,488
7/1/2045 - 6/30/2046	\$ 19,639	\$ 9,820	\$ 9,820
7/1/2046 - 6/30/2047	\$ 20,327	\$ 10,163	\$ 10,163

Remaining Initial Term 3/1/2026 - 6/30/2032

1st 5 Year Extension Term 7/1/2032 - 6/30/2037

2nd 5 Year Extension Term 7/1/2037 - 6/30/2042

3rd 5 Year Extension Term 7/1/2042 - 6/30/2047