



COUNTY OF MENDOCINO
DEPARTMENT OF PLANNING AND BUILDING SERVICES
860 NORTH BUSH STREET • UKIAH • CALIFORNIA • 95482
120 WEST FIR STREET • FT. BRAGG • CALIFORNIA • 95437

BRENT SCHULTZ, DIRECTOR
TELEPHONE: 707-234-6650
FAX: 707-463-5709
FB PHONE: 707-964-5379
FB FAX: 707-961-2427
pbs@mendocinocounty.org
www.mendocinocounty.org/pbs

December 16, 2019

Building Inspection - Ukiah
Assessor
Air Quality Management

CalFire - Prevention
Ukiah Valley Fire Protection District
Cloverdale Rancheria

Redwood Valley Rancheria
Sherwood Valley Band of Pomo Indians

CASE#: AP_2019-0095

DATE FILED: 11/8/2019

OWNER: STATE OF CALIFORNIA

APPLICANT/AGENT: TOWER ENGINEERING

REQUEST: Administrative Permit to add six (6) LTE antennas, and associated equipment to an existing 120 ft. tall telecommunications tower.

LOCATION: 5.3± miles southwest of Philo, lying on the south side of Signal Ridge Road (CR 133), 3.76± miles south of its intersection with Philo Greenwood Road (CR 132), located at 10551 Signal Ridge Rd., Boonville (APN: 026-450-26).

ENVIRONMENTAL DETERMINATION: Categorically Exempt

SUPERVISORIAL DISTRICT: 5

STAFF PLANNER: KEITH GRONENDYKE

RESPONSE DUE DATE: December 30, 2019

PROJECT INFORMATION CAN BE FOUND AT:

<https://www.mendocinocounty.org/government/planning-building-services/public-agency-referrals>

Mendocino County Planning & Building Services is soliciting your input, which will be used in staff analysis and forwarded to the appropriate public hearing. You are invited to comment on any aspect of the proposed project(s). Please convey any requirements or conditions your agency requires for project compliance to the project coordinator at the above address, or submit your comments by email to pbs@mendocinocounty.org. Please note the case number and name of the project coordinator with all correspondence to this department.

We have reviewed the above application and recommend the following (please check one):

- ☐ No comment at this time.
- ☐ Recommend conditional approval (attached).
- ☐ Applicant to submit additional information (attach items needed, or contact the applicant directly, copying Planning and Building Services in any correspondence you may have with the applicant)
- ☐ Recommend denial (Attach reasons for recommending denial).
- ☐ Recommend preparation of an Environmental Impact Report (attach reasons why an EIR should be required).
- ☐ Other comments (attach as necessary).

REVIEWED BY:

Signature _____ Department _____ Date _____

CASE: AP_2019-0095 (US Cellular)

OWNER:	US CELLULAR
APPLICANT:	TOWER ENGINEERING PROFESSIONALS INC.
AGENT:	TOWER ENGINEERING PROFESSIONALS INC.
REQUEST:	Administrative Permit to add six (6) LTE antennas, and associated equipment to an existing 120 ft. tall telecommunications tower.
LOCATION:	5.3± miles southwest of Philo, lying on the south side of Signal Ridge Road (CR 133), 3.76± miles south of its intersection with Philo Greenwood Road (CR 132), located at 10551 Signal Ridge Rd.; Boonville (APN: 026-450-26).
APN/S:	026-450-26
PARCEL SIZE:	2.37 Acres
GENERAL PLAN:	RL:160
ZONING:	RL:160
EXISTING USES:	Vacant
SUPERVISORAL DISTRICT:	5 (Williams)
RELATED CASES:	U_19-97, U_28-97, V_9-97, UM_10-97-2003, UM_28-97/2003, UM_19-97/2008, U_15-2006, UR_2016-0001, AP_2016-0007

	<u>ADJACENT GENERAL PLAN</u>	<u>ADJACENT ZONING</u>	<u>ADJACENT LOT SIZES</u>	<u>ADJACENT USES</u>
NORTH:	Rangeland (RL 160)	Rangeland (RL 160)	100 ± Acres	Agricultural/Residential
EAST:	Rangeland (RL 160)	Rangeland (RL 160)	200 ± Acres	Agricultural
SOUTH:	Rangeland (RL 160)	Rangeland (RL 160)	200 ± Acres	Agricultural
WEST:	Timber Production (TP 160)	Timber Production (TP160)	40 ± Acres	Vacant

REFERRAL AGENCIES

<u>LOCAL</u>	<u>STATE</u>	<u>TRIBAL</u>
<input checked="" type="checkbox"/> Air Quality Management District	<input checked="" type="checkbox"/> CALFIRE (Land Use)	<input checked="" type="checkbox"/> Redwood Valley Rancheria
<input checked="" type="checkbox"/> Assessor's Office		<input checked="" type="checkbox"/> Sherwood Valley Band of Pomo Indian
<input checked="" type="checkbox"/> Building Division		
<input checked="" type="checkbox"/> Ukiah Valley Fire Protection Dist.	<input checked="" type="checkbox"/> Cloverdale Rancheria	

STAFF PLANNER: KEITH GRONENDYKE

DATE: 11/19/19

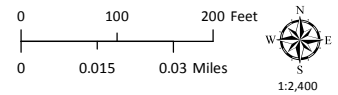
ENVIRONMENTAL DATA

- | | |
|---|--|
| 1. MAC: N/A | 12. EARTHQUAKE FAULT ZONE: N/A |
| 2. FIRE HAZARD SEVERITY ZONE: High | 13. AIRPORT LAND USE PLANNING AREA: N/A |
| 3. FIRE RESPONSIBILITY AREA: Local Responsibility Area (Redwood Coast) | 14. SUPERFUND/BROWNFIELD/HAZMAT SITE: N/A |
| 4. FARMLAND CLASSIFICATION: N/A | 15. NATURAL DIVERSITY DATABASE: N/A |
| 5. FLOOD ZONE CLASSIFICATION: | 16. STATE FOREST/PARK/RECREATION AREA ADJACENT: N/A |
| 6. COASTAL GROUNDWATER RESOURCE AREA: N/A | 17. LANDSLIDE HAZARD: N/A |
| 7. SOIL CLASSIFICATION: Western Soils (146) | 18. WATER EFFICIENT LANDSCAPE REQUIRED: N/A |
| 8. PYGMY VEGETATION OR PYGMY CAPABLE SOIL: N/A | 19. WILD AND SCENIC RIVER: N/A |
| 9. WILLIAMSON ACT CONTRACT: N/A | 20. SPECIFIC PLAN/SPECIAL PLAN AREA: |
| 10. TIMBER PRODUCTION ZONE: N/A | 21. STATE CLEARINGHOUSE REQUIRED: N/A |
| 11. WETLANDS CLASSIFICATION: N/A | 22. OAK WOODLAND AREA: N/A |
| | 23. HARBOR DISTRICT: N/A |

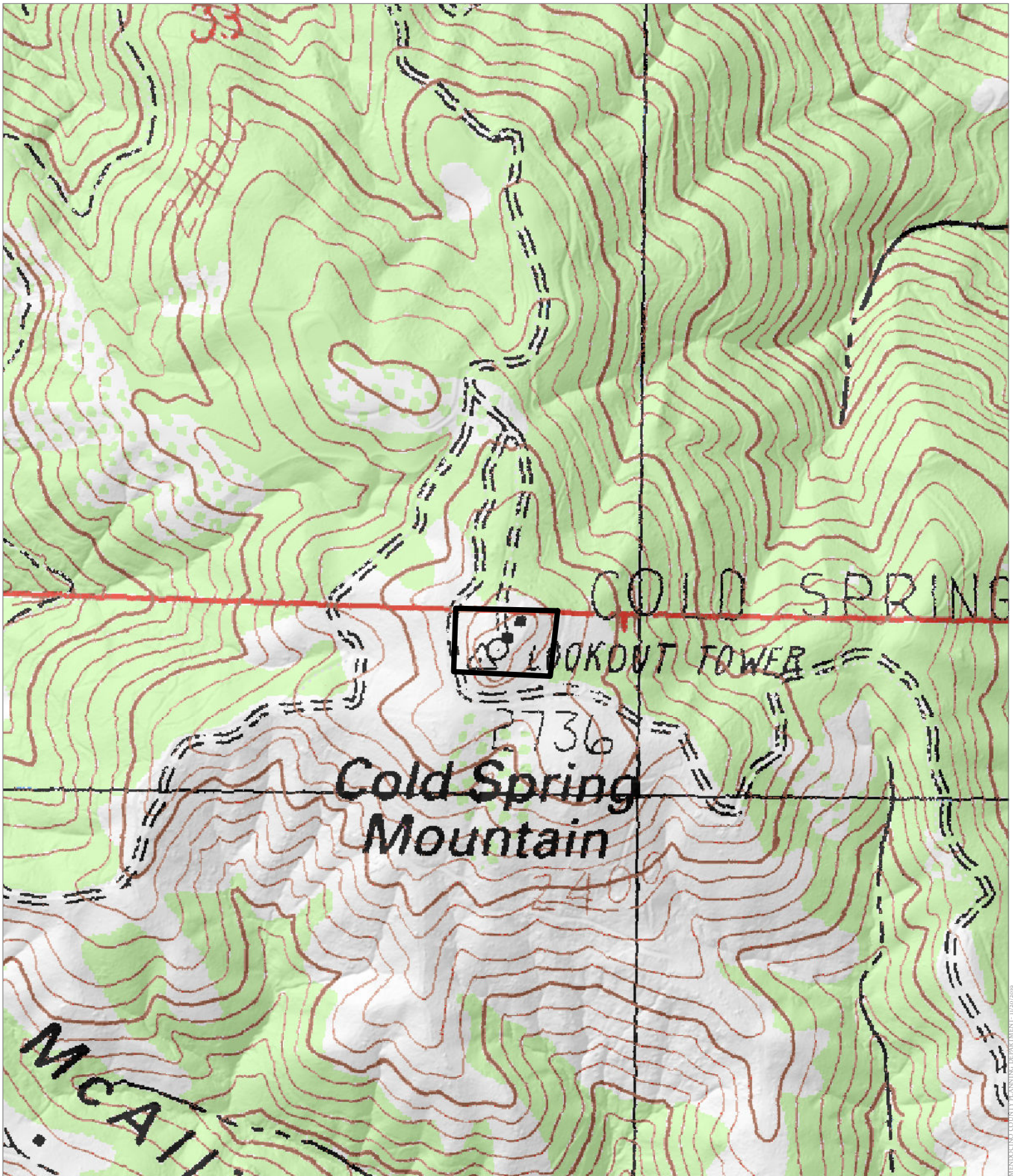


CASE: AP 2019-0095
OWNER: State of California
APN: 026-450-26
APLCT: Tower Engineering Professionals, Inc.
AGENT: Mary McGarity
ADDRESS: None Assigned

----- Driveways/Unnamed Roads

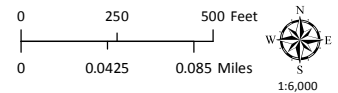


AERIAL IMAGERY

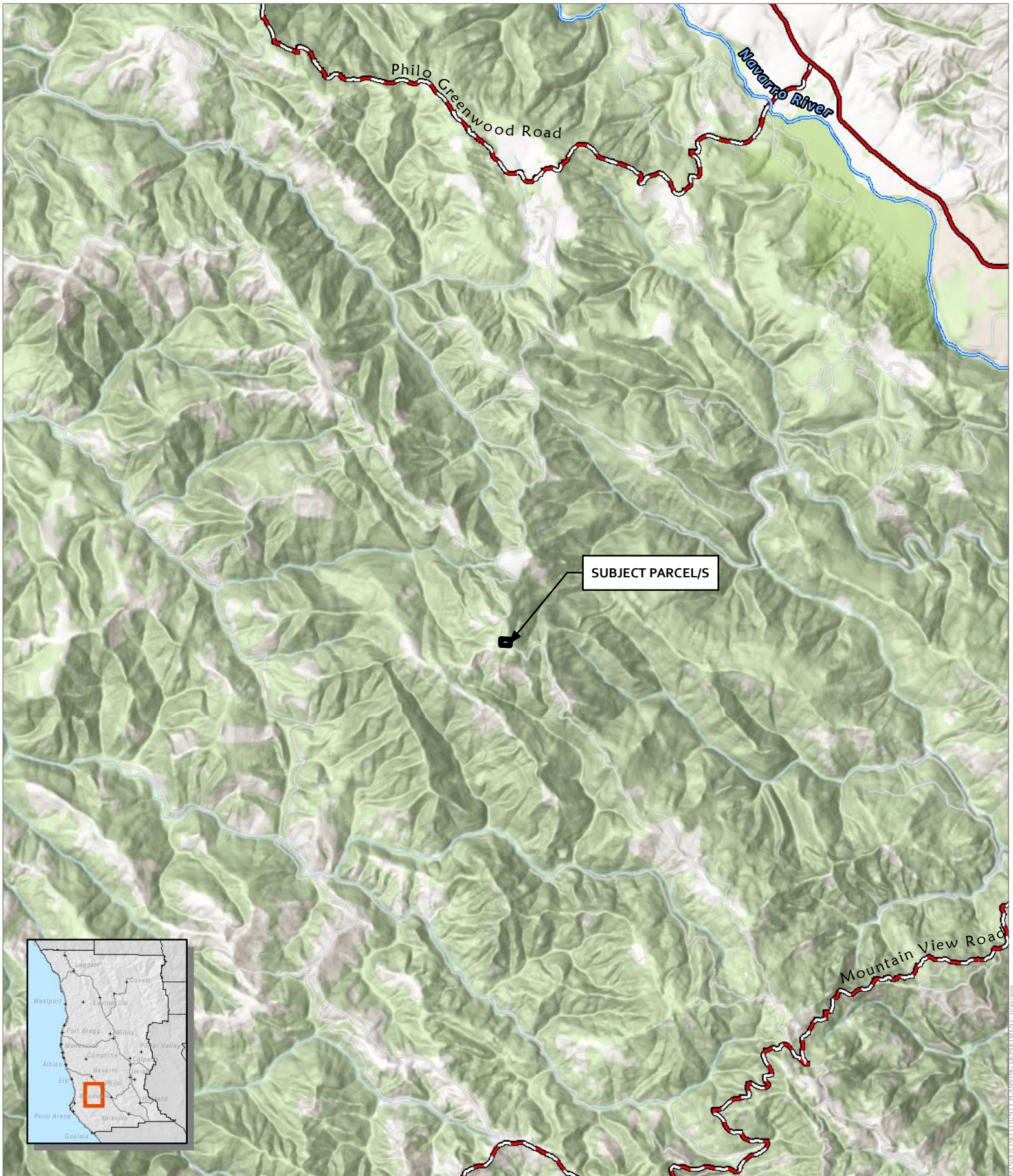


CASE: AP 2019-0095
OWNER: State of California
APN: 026-450-26
APLCT: Tower Engineering Professionals, Inc.
AGENT: Mary McGarity
ADDRESS: None Assigned

..... Driveways/Unnamed Roads

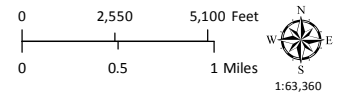


TOPOGRAPHIC MAP
CONTOUR INTERVAL IS 40 FEET



CASE: AP 2019-0095
OWNER: State of California
APN: 026-450-26
APLCT: Tower Engineering Professionals, Inc.
AGENT: Mary McGarity
ADDRESS: None Assigned

Major Rivers
Highways
Major Roads



LOCATION MAP

NOTE:

SITE SURVEY NOT AVAILABLE.



SITE PLAN

SCALE: N.T.S.

CASE: AP 2019-0095
OWNER: State of California
APN: 026-450-26
APLCT: Tower Engineering Professionals, Inc.
AGENT: Mary McGarity
ADDRESS: None Assigned

NO SCALE

SITE PLAN



Planning and Building
Services

Case No:	AP 2019-0095
CalFire No:	Letter submitted
Date Filed:	11-8-19
Fee:	2213.02
Receipt No:	
Received By:	KG
Office use only	

APPLICATION FORM

APPLICANT

Name: Tower Engineering Professionals Inc (Mary McGarity, agent) Phone: 980-202-5894

Mailing Address: 10700 Sikes Place, Suite 360

City: Charlotte State/Zip: NC 27277 email: mcmcgarity@tepgroup.net

PROPERTY OWNER

Name: US Cellular Corporation Phone:

Mailing Address: 8410 Bryne Mawr, Suite 700

City: Chicago State/Zip: IL 60631 email:

AGENT

Name: Tower Engineering Professionals Inc Phone: 980-202-5894

Mailing Address: 10700 Sikes Place, Suite 360

City: Charlotte State/Zip: NC 28277 email: mcmcgarity@tepgroup.net

Parcel Size: (Sq. feet/Acres) Address of Property: 10551 Signal Ridge Rd, Philo, CA 95466

Assessor Parcel Number(s): 026-450-26

TYPE OF APPLICATION:

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Administrative Permit | <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Rezoning |
| <input type="checkbox"/> Agricultural Preserve | <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Use Permit-Cottage |
| <input type="checkbox"/> Airport Land Use | <input type="checkbox"/> Land Division-Minor | <input type="checkbox"/> Use Permit-Minor |
| <input type="checkbox"/> CDP- Admin | <input type="checkbox"/> Land Division- Major | <input type="checkbox"/> Use Permit-Major |
| <input type="checkbox"/> CDP- Standard | <input type="checkbox"/> Land Division-Parcel | <input type="checkbox"/> Variance |
| <input type="checkbox"/> Certificate of Compliance | <input type="checkbox"/> Land Division-Resubdivision | <input type="checkbox"/> Other |
| <input type="checkbox"/> Development Review | <input type="checkbox"/> Modification of Conditions | |
| <input type="checkbox"/> Exception | <input type="checkbox"/> Reversion to Acreage | |

I certify that the information submitted with this application is true and accurate.

Mary McGarity

10/31/2019

Signature of Applicant/Agent

Date

Signature of Owner

Date

SITE AND PROJECT DESCRIPTION QUESTIONNAIRE

The purpose of this questionnaire is to relate information concerning your application to the Department of Planning and Building Services and other agencies who will be reviewing your project proposal. Please remember that the clearer picture that you give us of your project and the site, the easier it will be to promptly process your application. Please answer all questions. Those questions which do not pertain to your project please indicate "Not applicable" or "N/A".

THE PROJECT

1. Describe your project. Include secondary improvements such as wells, septic systems, grading, vegetation removal, roads, etc.

US Cellular to add and replace antenna and RRU on existing cellular structure,
There will be no change in height, no ground work and no electrical work to be completed.

2. Structures/Lot Coverage	Number of Units		Square Footage		
	Existing	Proposed	Existing	Proposed	Total
<input type="checkbox"/> Single Family <input type="checkbox"/> Mobile Home <input type="checkbox"/> Duplex <input type="checkbox"/> Multifamily <input checked="" type="checkbox"/> Other: Cell tower <input type="checkbox"/> Other:					
Total Structures Paved					
Area Landscaped Area					
Unimproved Area					
GRAND TOTAL (Equal to gross area of Parcel)					

3. If the project is commercial, industrial or institutional, complete the following:

Estimated employees per shift: _____

Estimated shifts per day: _____

Type of loading facilities proposed: _____

4. Will the proposed project be phased? ☐ Yes ☒ No If yes, explain your plans for phasing:

5. Will vegetation be removed on areas other than the building sites and roads? ☐ Yes ☐ No Explain:

6. Will the project involve the use or disposal of potentially hazardous materials such as toxic substances, flammables, or explosives? ☐ Yes ☒ No If yes, explain:

7. How much off-street parking will be provided?

	Number	Size
Number of covered spaces	_____	_____
Number of uncovered spaces	_____	_____
Number of standard spaces	_____	_____
Number of handicapped spaces	_____	_____
Existing Number of Spaces	_____	
Proposed Additional Spaces	_____	
Total	_____	

8. Is any road construction or grading planned? ☐ Yes ☒ No If yes, grading and drainage plans may be required. Also, describe the terrain to be traversed (e.g., steep, moderate slope, flat, etc.).

9. For grading or road construction, complete the following:

A. Amount of cut _____ cubic yards

B. Amount of fill _____ cubic yards

C. Maximum height of fill slope _____ feet

D. Maximum height of cut slope _____ feet

E. Amount of import or export _____ cubic yards

F. Location of borrow or disposal site _____

10. Does the project involve sand removal, mining or gravel extraction? ☐ Yes ☒ No
If yes, detailed extraction, reclamation and monitoring plans may be required?

11. Will the proposed development convert land currently or previously used for agriculture to another use?
☐ Yes ☒ No
If yes, how many acres will be converted? _____ acres. An agricultural economic feasibility study may be required.

12. Will the development provide public or private recreational opportunities? ☐ Yes ☒ No
If yes, explain below:

13. Is the proposed development visible from State Highway 1 or other scenic route? <input type="checkbox"/> Yes <input type="checkbox"/> No	14. Is the proposed development visible from a park, beach or other recreational area? <input type="checkbox"/> Yes <input type="checkbox"/> No
---	--

15. Does the development involve diking, filling, dredging or placing structures in open coastal water, wetlands, estuaries or lakes?

Diking : ☐ Yes ☒ No
Filling: ☐ Yes ☐ No
Dredging: ☐ Yes ☐ No

Placement of structures in:
☐ open coastal waters
☐ wetlands
☐ estuaries
☐ lakes

If so, amount of material to be dredged or filled? _____ cubic yards.
Location of dredged material disposal site? _____

Has a U.S. Army Corps of Engineers permit been applied for? ☐ Yes ☐ No

16. Will there be any exterior lighting? ☐ Yes ☐ No If yes, describe below and identify the location of all exterior lighting on the plot plan and building plans.

17. Utilities will be supplied to the site as follows:
A. Electricity:
☐ Utility Company (service exists to the parcel)
☐ Utility Company (requires extension of service to site: _____ feet _____ miles)
☐ On Site Generation - Specify: _____
B. Gas:
☐ Utility Company/Tank
☐ On Site Generation - Specify: _____
☐ None
C. Telephone: ☐ Yes ☐ No

18. What will be the method of sewage disposal?
☐ Community sewage system - Specify supplier _____
☐ Septic Tank
☐ Other - Specify: _____

19. What will be the domestic water source:
☐ Community water system - Specify supplier _____
☐ Well
☐ Spring
☐ Other - Specify: _____

20.	Are there any associated projects and/or adjacent properties under your ownership? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain (e.g., Assessor's Parcel Number, address, etc.): <hr/> <hr/> <hr/>																														
21.	List and describe any other related permits and other public approval required for this project, including those required by other County departments, city, regional, state and federal agencies: <hr/> <hr/>																														
22.	Describe the location of the site in terms of readily identifiable landmarks (e.g., mailboxes, mile posts, street intersections, etc.): <hr/> <hr/> <hr/>																														
23.	Are there existing structures on the property? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe below, and identify the use of each structure on the plot plan or tentative map if the proposal is for a subdivision. <hr/> <hr/> <hr/>																														
24.	Will any existing structures be demolished or removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe the type of development to be demolished or removed, including the relocation site, if applicable. <hr/> <hr/> <hr/>																														
25.	Project Height. Maximum height of existing structures <u>120</u> feet. Maximum height of proposed structures _____ feet.																														
26.	Gross floor area of existing structures _____ square feet (including covered parking and accessory buildings). Gross floor area of proposed structures _____ square feet (including covered parking and accessory buildings).																														
27.	Lot area (within property lines): _____ <input type="checkbox"/> square feet <input type="checkbox"/> acres.																														
28.	Briefly describe the project site as it exists before the project, including information on existing structures and their uses, slopes, soil stability, plants and animals, and any cultural, historical or scenic aspects. Attach any photographs of the site that you feel would be helpful. <hr/> <hr/> <hr/>																														
29.	Briefly describe the surrounding properties, including information on plants, animals and any cultural, historic or scenic aspects. Indicate the type of land use (use chart below) and its general intensity. Attach any photographs of the vicinity that you feel would be helpful. <hr/> <hr/>																														
30.	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; vertical-align: top;">Indicate the surrounding land uses:</td> <td style="width: 15%; text-align: center; vertical-align: top;">North</td> <td style="width: 15%; text-align: center; vertical-align: top;">East</td> <td style="width: 15%; text-align: center; vertical-align: top;">South</td> <td style="width: 20%; text-align: center; vertical-align: top;">West</td> </tr> <tr> <td><u>Vacant</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>Residential Agricultural</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>Commercial Industrial</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>Institutional Timberland</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>Other</u></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Indicate the surrounding land uses:	North	East	South	West	<u>Vacant</u>					<u>Residential Agricultural</u>					<u>Commercial Industrial</u>					<u>Institutional Timberland</u>					<u>Other</u>				
Indicate the surrounding land uses:	North	East	South	West																											
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<u>Commercial Industrial</u>																															
<u>Institutional Timberland</u>																															
<u>Other</u>																															

CERTIFICATION AND SITE VIEW AUTHORIZATION- SUBMIT ONLY ONE COPY

1. I hereby certify that I have read this completed application and that, to the best of my knowledge, the information in this application, and all attached appendices and exhibits, is complete and correct. I understand that the failure to provide any requested information or any misstatements submitted in support of the application shall be grounds for either refusing to accept this application, for denying the permit, for suspending or revoking a permit issued on the basis of such misrepresentations, or for seeking of such further relief as may seem proper to the County.
2. I hereby grant permission for County Planning and Building Services staff and hearing bodies to enter upon and site view the premises for which this application is made in order to obtain information necessary for the preparation of required reports and render its decision.

Mary McGarity

Owner/Authorized Agent

10/31/2019

Date

NOTE: IF SIGNED BY AGENT, OWNER MUST SIGN BELOW.

AUTHORIZATION OF AGENT

I hereby authorize _____ to act as my representative and to bind me in all matters concerning this application.

Owner

Date

MAIL DIRECTION

To facilitate proper handling of this application, please indicate the names and mailing addresses of individuals to whom you wish correspondence and/or staff reports mailed if different from those identified on Page 1 of the application form.

Name	Name	Name
Mailing Address	Mailing Address	Mailing Address

INDEMNIFICATION AND HOLD HARMLESS

ORDINANCE NO. 3780, adopted by the Board of Supervisors on June 4, 1991, requires applicants for discretionary land use approvals, to sign the following Indemnification Agreement. Failure to sign this agreement will result in the application being considered incomplete and withheld from further processing.

INDEMNIFICATION AGREEMENT

As part of this application, applicant agrees to defend, indemnify, release and hold harmless the County of Mendocino, its agents, officers, attorneys, employees, boards and commissions, as more particularly set forth in Mendocino County Code Section 1.04.120, from any claim, action or proceeding brought against any of the foregoing individuals or entities, the purpose of which is to attack, set aside, void or annul the approval of this application or adoption of the environmental document which accompanies it. The indemnification shall include, but not be limited to, damages, costs, expenses, attorney fees or expert witness fees that may be asserted by any person or entity, including the applicant, arising out of or in connection with the approval of this application, whether or not there is concurrent, passive or active negligence on the part of the County, its agents, officers, attorneys, employees, boards and commissions.

Applicant: *Mary McGarity* Date: 10/31/2019

STATE LOCATION



SITE LOCATION



PROJECT TEAM

PROJECT CONTACT:

NAME U.S. CELLULAR CORPORATION
ADDRESS 8410 W. BRYN MAWR, SUITE 700
CITY, STATE, ZIP CHICAGO, IL 60631
CONTACT JOHN MAUDLIN

SITE ACQUISITION:

NAME TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS 10700 SIKES PLACE, SUITE 360
CITY, STATE, ZIP CHARLOTTE, NC 28277
CONTACT MICHAEL MCLENDON
PHONE (980) 202-5553

TOWER OWNER:

NAME U.S. CELLULAR CORPORATION
ADDRESS 8410 W. BRYN MAWR, SUITE 700
CITY, STATE, ZIP CHICAGO, IL 60631
CONTACT JOHN MAUDLIN

CIVIL ENGINEER:

NAME TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS 326 TRYON ROAD
CITY, STATE, ZIP RALEIGH, NC 27603-3530
CONTACT JEREMY K. WOOSTER, P.E.
PHONE (919) 661-6351

118 MODERNIZATION DRAWINGS

SITE NAME:
COLD SPRINGS

SITE NUMBER:
568365

SITE ADDRESS:
**10551 SIGNAL RIDGE ROAD
PHILO, CA 95466
(MENDOCINO COUNTY)**

PROJECT INFORMATION

LATITUDE: N 39° 01' 22.07" *
LONGITUDE: W 123° 31' 21.84" *
GROUND ELEVATION: 2700'± (AMSL)**
* INFORMATION PROVIDED USCC
** INFORMATION FROM GOOGLE EARTH

TOWER TYPE: 120' SELF-SUPPORT
LOADING: AX212F
ACCESS ISSUES: 7 KEY NEEDED FOR ENTRY
GATE COMBO: N/A



Know what's below.
Call before you dig.

INDEX OF SHEETS

NO.	SHEET TITLE	REV
T-1	TITLE SHEET	2
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C-6	COAX LAYOUT	2
C-7	GROUND BAR DETAILS	2
C-8	ANTENNA MOUNTING DETAILS	2
C-9	RAYCAP & RRH SPEC SHEET I	2
C-10	RAYCAP & RRH SPEC SHEET II	2
C-11	PLUMBING DIAGRAM	2
C-12	ANTENNA SPEC SHEET	2
C-13	LABELING STANDARDS I	2
C-14	LABELING STANDARDS II	2
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-	-	-

STRUCTURAL NOTE

STRUCTURAL STATUS:
• TOWER SA - PASSING (SEPTEMBER 10, 2019)
• MOUNT SA - PASSING (SEPTEMBER 06, 2019)

SCOPE OF WORK

TOWER SCOPE:

EXISTING EQUIPMENT TO REMAIN:
(6) ANTEL RWA 80015 CDMA PANEL ANTENNAS
(6) FH 7/8" CDMA COAX
(1) 1 1/2" HYBRID CABLE
(1) RAYCAP RUSDC-6267-PF-48
(4) NOKIA FXCB RRHs
(1) RAYCAP RUSDC-8999-P-48 (TO REMAIN UNUSED)
(1) 1 1/2" POWER GROWTH CABLE (TO REMAIN UNUSED)

PROPOSED EQUIPMENT:
(6) DENGYO OCT8-2LX2HX-BW65 LTE PANEL ANTENNAS
(1) 1 1/2" HYBRID CABLE
(1) RAYCAP RUSDC-6267-PF-48
(3) NOKIA AHLOA B71/B12 RRHs
(3) NOKIA AHFIB B2/B4 RRHs

PROPOSED LTE JUMPERS:
(6) FIBER JUMPERS FROM B71/12 RAYCAP TO B71/12 RRH
(6) FIBER JUMPERS FROM B2/4 RAYCAP TO B2/4 RRH
(2) FIBER JUMPERS FROM B5 RAYCAP TO B5 RRH
(3) POWER JUMPERS FROM B71/12 RAYCAP TO B71/12 RRH
(3) POWER JUMPERS FROM B2/4 RAYCAP TO B2/4 RRH
(2) POWER JUMPERS FROM B5 RAYCAP TO B5 RRH
(12) 1/2" JUMPERS FROM B71/12 RRH TO ANTENNAS
(12) 1/2" JUMPERS FROM B2/4 RRH TO ANTENNAS
(12) 1/2" JUMPERS FROM B5 RRH TO ANTENNAS

TOWER TOP GROUND BAR:
CANNOT ACCOMMODATE ADDITIONAL GROUND LEADS.
ROPOSED GROUND BAR REQUIRED.

TOWER BOTTOM GROUND BAR:
CANNOT ACCOMMODATE ADDITIONAL GROUND LEAD.

SHELTER EXTERIOR SCOPE:

ICE BRIDGE:
CAN ACCOMMODATE ADDITION OF (1) HYBRID CABLE.

SHELTER COAX PORT:
CAN ACCOMMODATE ADDITION OF (1) HYBRID CABLE.

SHELTER EXTERIOR GROUND BAR:
CAN ACCOMMODATE ADDITIONAL GROUND LEAD.

SHELTER INTERIOR SCOPE:

EXISTING EQUIPMENT:
(1) RAYCAP RUSDC-6267-PF-48 TO REMAIN
(1) RAYCAP RUSDC-8999-P-48 TO REMAIN (UNUSED)

PROPOSED EQUIPMENT:
(1) RAYCAP RUSDC-6267-PF-48

CABLE TRAY:
PROPOSED HORIZONTAL AND VERTICAL CABLE TRAYS REQUIRED TO
ACCOMMODATE PROPOSED (1) HYBRID CABLE

SHELTER INTERNAL GROUND BAR:
CAN ACCOMMODATE ADDITIONAL GROUND LEAD.

SPECIAL REQUIREMENTS:

ANTENNA AZIMUTHS:
EXISTING CDMA ANTENNAS TO BE ROTATED TO THE DESIGN
AZIMUTH. AZIMUTH CHANGE MUST BE PRE-SCHEDULED WITH
USCC FOR POTENTIAL E911 TESTING REQUIRED.

DECOMMISSIONED EQUIPMENT REMOVAL:

EQUIPMENT REMOVAL:
*(6) ANTEL HTXCW631819R000G LTE PANEL ANTENNAS
*(12) KAEUS COMBINERS
*(6) NOKIA FRBG/FRLB RRHs
*(6) NOKIA FSES

*POST-INTEGRATION

PLANS PREPARED FOR:

U.S. Cellular
8410 W BRYN MAWR, SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

**568365
COLD SPRINGS**
10551 SIGNAL RIDGE ROAD
PHILO, CA 95466
(MENDOCINO COUNTY)

PLANS PREPARED BY:

Mendocino County

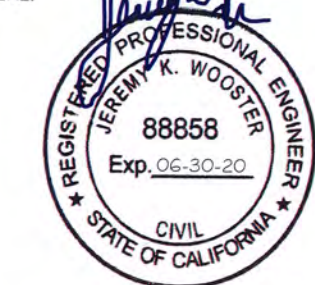
NOV 08 2019

Planning & Building Services

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net

SEAL:



October 28, 2019

REV	DATE	ISSUED FOR:
2	10-28-19	CONSTRUCTION
1	10-08-19	PRELIMINARY
0	09-18-19	PRELIMINARY

DRAWN BY: RRG CHECKED BY: DWB

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

REVISION:

T-1

2

TEP#: 52499.294779



BIRD'S EYE AERIAL OVERVIEW



SITE OVERVIEW



SITE OVERVIEW

NOTE:
SITE SURVEY NOT AVAILABLE.



SITE PLAN


SCALE: N.T.S

PLANS PREPARED FOR:
U.S. Cellular
8410 W BRYN MAWR, SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:
**568365
COLD SPRINGS**
10551 SIGNAL RIDGE ROAD
PHILO, CA 95466
(MENDOCINO COUNTY)

PLANS PREPARED BY:

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SITE PLAN

SHEET NUMBER: **C-1** REVISION: **2**
TEP#: 52499.294779



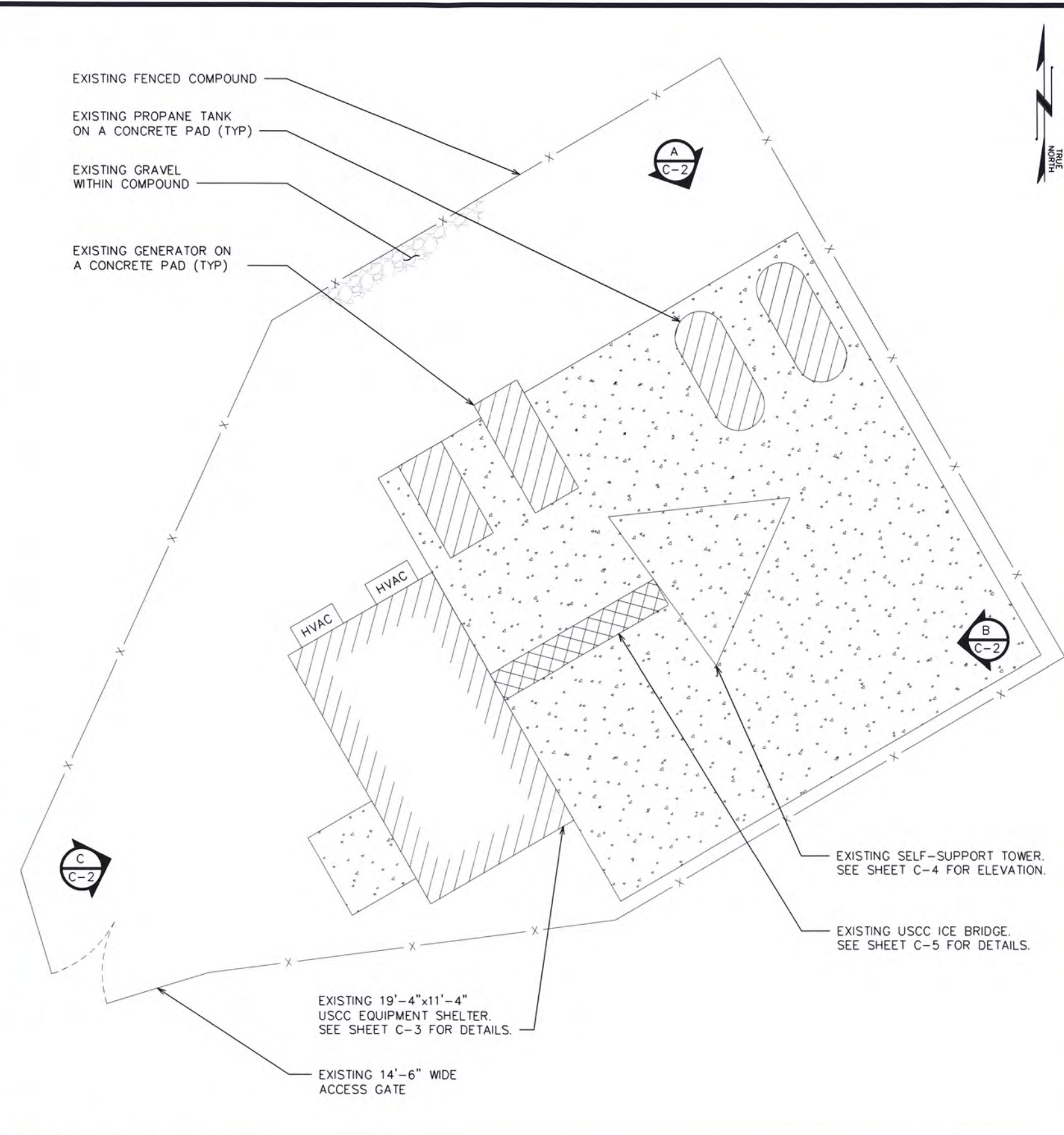
COMPOUND VIEW "A"



COMPOUND VIEW "B"



COMPOUND VIEW "C"



COMPOUND DETAIL

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

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SHEET TITLE:

**COMPOUND
DETAIL**

SHEET NUMBER: **C-2**

REVISION: **2**

TEP#: 52499.294779

NOTE:

CONTRACTOR TO INSTALL PROPOSED FIBER JUMPER FROM RAYCAP TO AUX/RELAY RACK AND POWER JUMPER FROM RAYCAP TO DC POWER BAY/BATTERY RACK. EXISTING FIBER AND POWER JUMPERS TO BE DECOMMISSIONED AFTER NEW EQUIPMENT HAS BEEN INSTALLED.



EXISTING AC PANEL
MOUNTED TO WALL
(TYP)

EXISTING DISCONNECT

EXISTING ATS MOUNTED
TO WALL

EXISTING RELAY RACK

EXISTING TELCO BOARD
MOUNTED TO WALL

EXISTING CDMA RACK

EXISTING MW RACK

EXISTING USCC
HATCH PLATE

EXISTING DC
POWER PLANT

EXISTING BATTERIES
(TYP OF 2)

EXISTING RAYCAP
RUSDC-6267-PF-48
TO REMAIN

EXISTING RAYCAP
RUSDC-8999-P-48 TO
REMAIN (UNUSED)

EXISTING LTE RACK

EXISTING OVERHEAD
CABLE LADDER

INTERIOR SHELTER LAYOUT

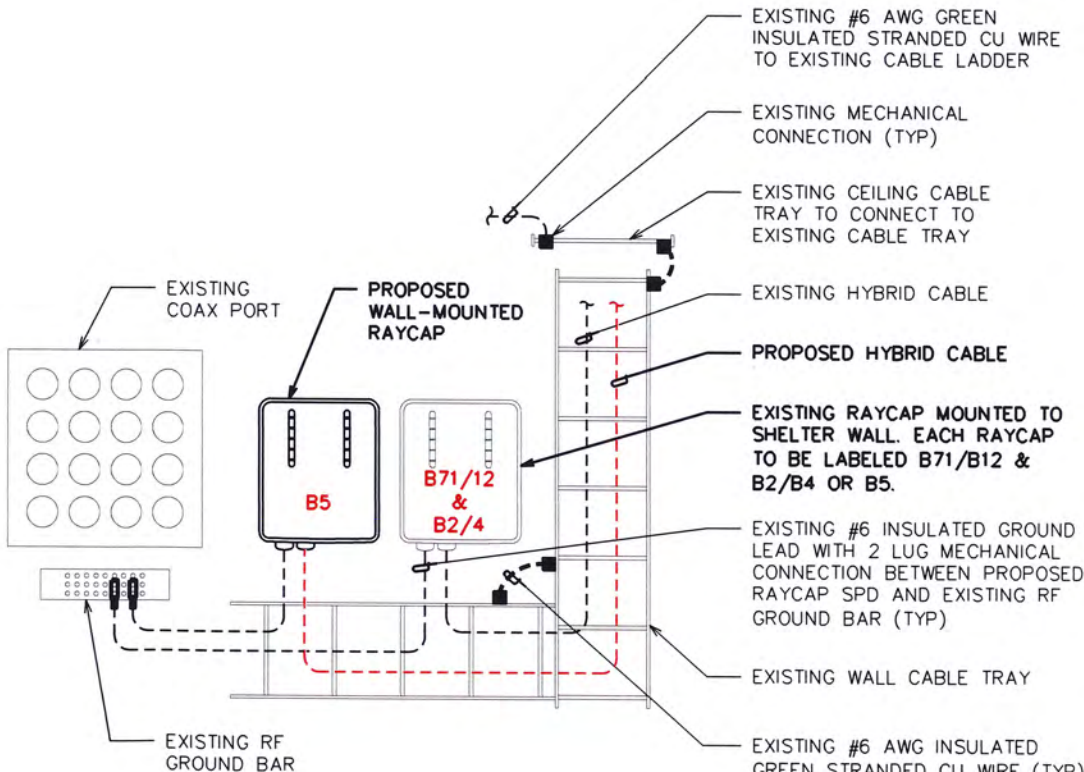
SCALE: N.T.S.

LOCATION OF EX. RAYCAPS

SCALE: N.T.S.

NOTE:

THIS DETAIL IS FOR REFERENCE ONLY. CONTRACTOR TO CONFIRM SHELTER INSTALL DETAILS WITH US CELLULAR.



WALL CABLE TRAY DETAIL (TYP)

SCALE: N.T.S.

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PROJECT INFORMATION:

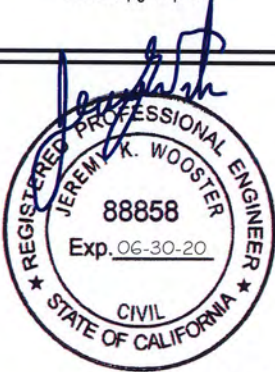
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SHEET TITLE:

**SHELTER
DETAILS**

SHEET NUMBER:

C-3

REVISION:

2

TEP#: 52499.294779

EUPEN HYBRID CABLE LENGTH

PROPOSED RAYCAP QUANTITY IN SHELTER SPD:	1
EXISTING RAYCAP QUANTITY IN SHELTER SPD:	2
LENGTH FROM SHELTER COAX PORT TO POWER BAY:	8-FT
ICE BRIDGE LENGTH:	13-FT
RAYCAP CENTERLINE + 12 BUFFER:	126-FT
TOTAL ESTIMATED LENGTH OF HYBRID CABLE:	147-FT
TOTAL EST. LENGTH OF HYBRID CABLE (ROUNDED UP):	150-FT

JUMPER INFO

FIBER/POWER JUMPER LENGTH FROM RAYCAP TO RRH			
	B71/12	B2/4	B5
ALPHA SECTOR:	15-FT	15-FT	-
BETA SECTOR:	15-FT	15-FT	-
GAMMA SECTOR:	15-FT	15-FT	25-FT

1/2" JUMPER FROM B71/B12 RRH TO ANTENNA	
ALPHA SECTOR:	25-FT
BETA SECTOR:	25-FT
GAMMA SECTOR:	25-FT



1/2" JUMPER FROM B2/B4 RRH TO ANTENNA	
ALPHA SECTOR:	25-FT
BETA SECTOR:	25-FT
GAMMA SECTOR:	25-FT

1/2" JUMPER FROM B5 RRH TO ANTENNA	
ALPHA SECTOR:	25-FT
BETA SECTOR:	25-FT
GAMMA SECTOR:	25-FT

RET JUMPER INFO

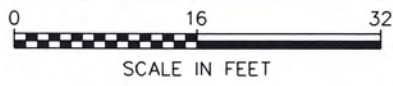
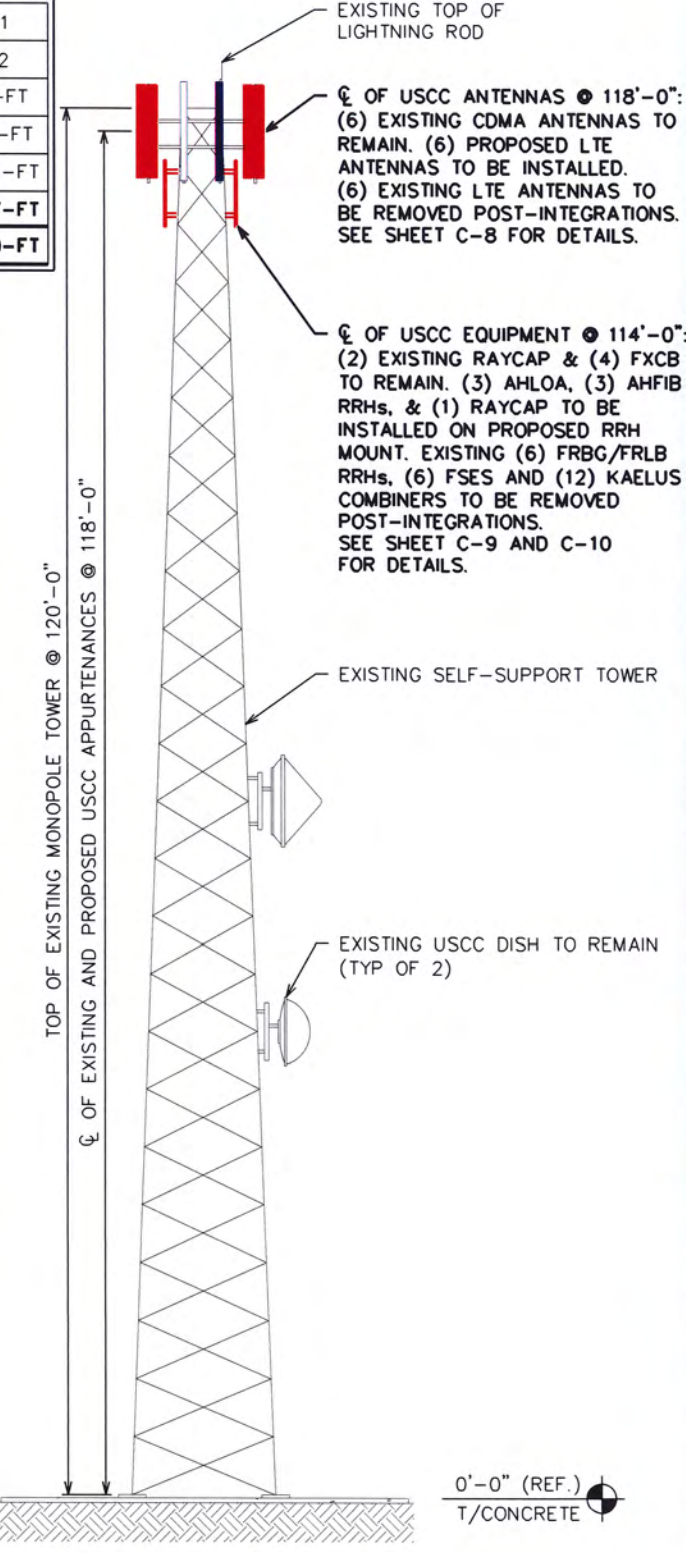
	RRH TO ANTENNA
ALPHA SECTOR:	10-M
BETA SECTOR:	10-M
GAMMA SECTOR:	10-M

- NOTES:
- PROPOSED EQUIPMENT TO BE INSTALLED PRIOR TO EXISTING EQUIPMENT DECOMMISSION.
 - T/APPERTANCE = 124'-0"

PROPOSED LTE PANEL TO BE INSTALLED: 
EXISTING CDMA PANEL TO REMAIN: 

PROPOSED TOWER ELEVATION

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



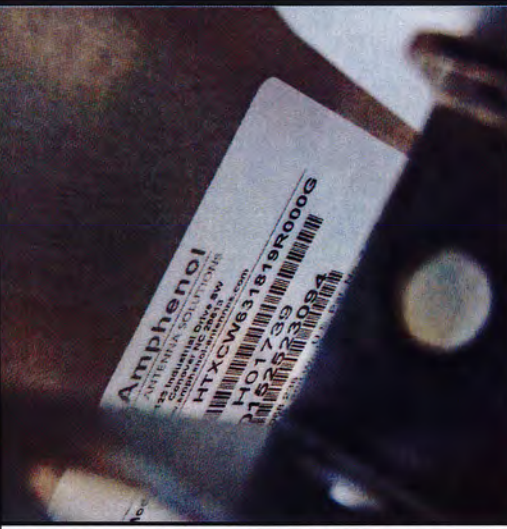
EXISTING TOWER ELEVATION



USCC ALPHA SECTOR




USCC BETA SECTOR



USCC GAMMA SECTOR

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SHEET TITLE:

TOWER ELEVATION

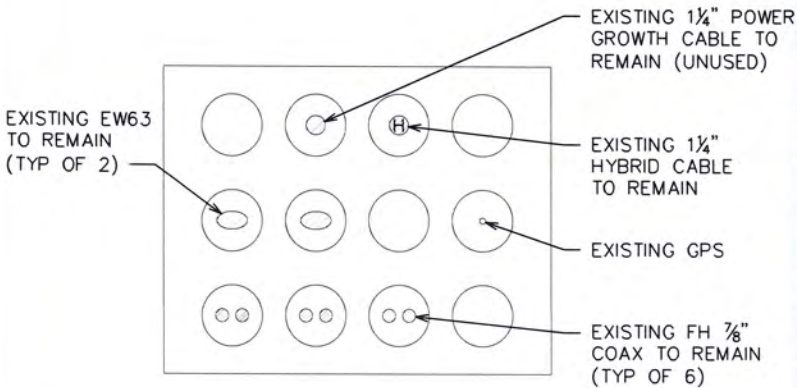
SHEET NUMBER: **C-4** REVISION: **2**
TEP#: 52499.294779

NOTE:

ALL VIEWS ARE
LOOKING FROM THE
TOWER TOWARDS
THE SHELTER.
ANALOG COAX (IF
APPLICABLE) TO BE
REMOVED IS LABELED
WITH GREEN TAPE.

LEGEND

EMPTY PORT
EXISTING COAX TO REMAIN
EXISTING COAX TO BE REMOVED
PROPOSED HYBRID
EXISTING HYBRID TO REMAIN
EXISTING EW63 TO REMAIN

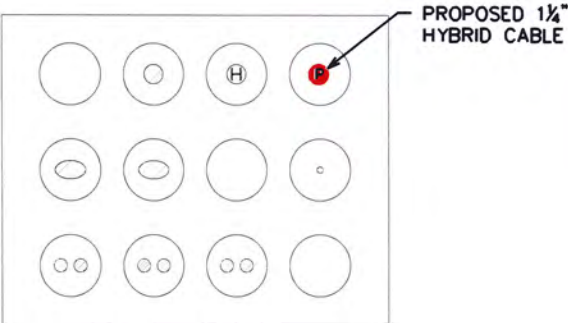


EXISTING HATCH PLATE LAYOUT

SCALE: N.T.S.

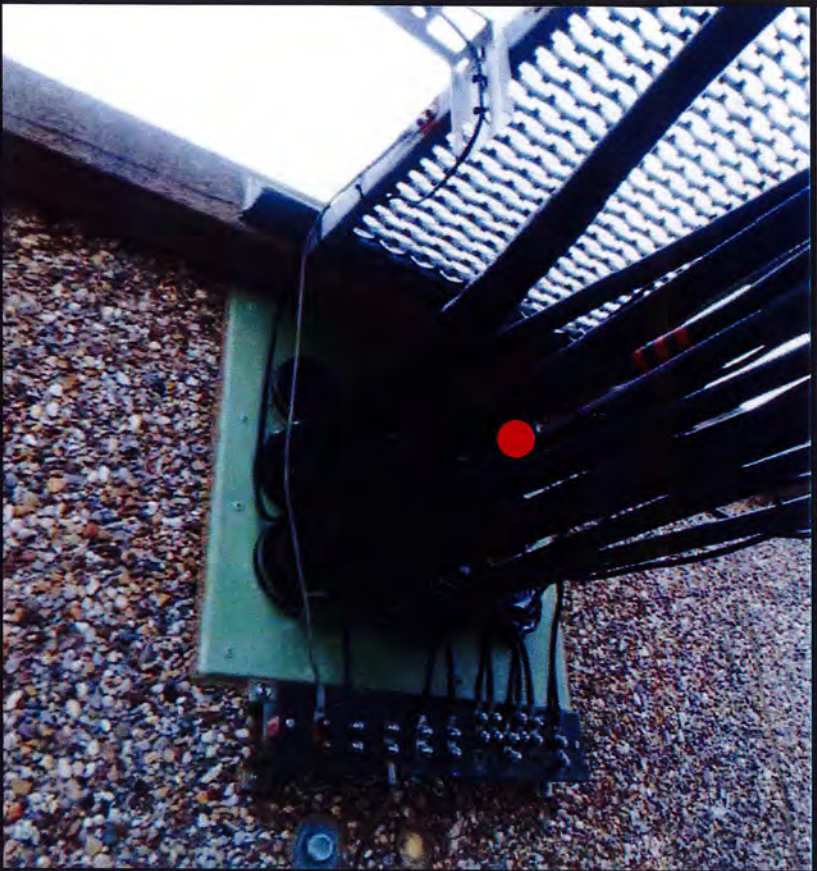
NOTE:

COAX LOCATIONS ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.

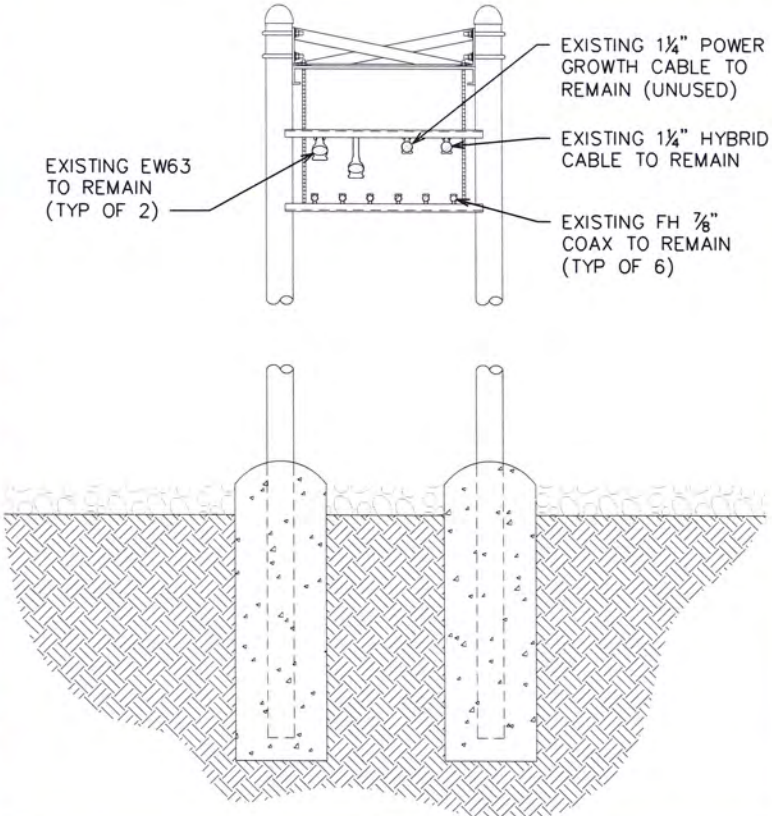


PROPOSED HATCH PLATE LAYOUT

SCALE: N.T.S.



EXISTING HATCH PLATE

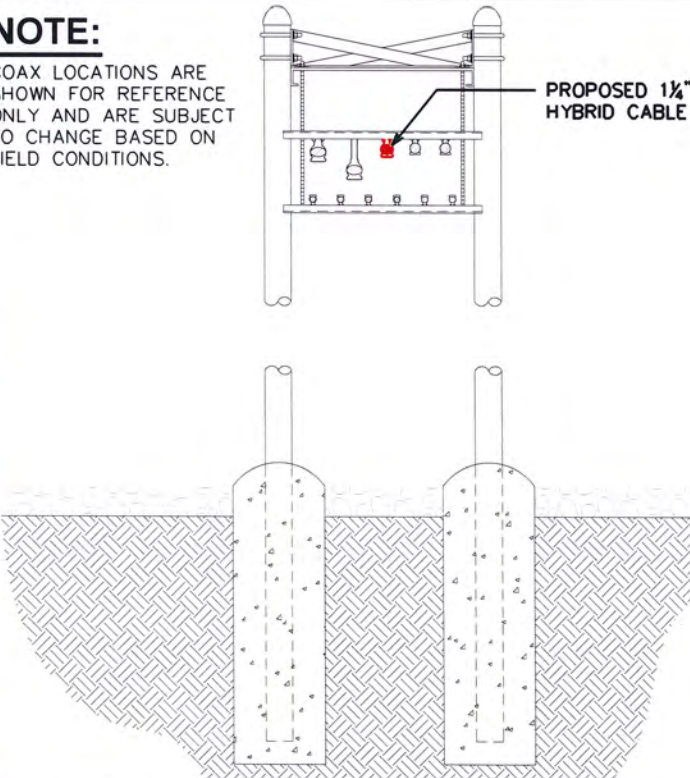


EXISTING ICE BRIDGE CONFIGURATION

SCALE: N.T.S.

NOTE:

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PROPOSED ICE BRIDGE CONFIGURATION

SCALE: N.T.S.

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SHEET TITLE:

**HATCH PLATE
& ICE BRIDGE
DETAILS**

SHEET NUMBER:

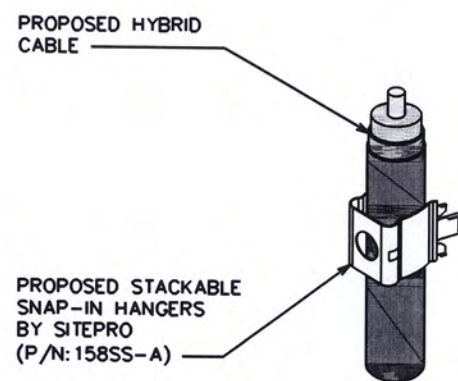
C-5

REVISION:

2

TEP#: 52499.294779

LEGEND	
EXISTING COAX TO REMAIN	
EXISTING COAX TO BE REMOVED	
PROPOSED HYBRID	
EXISTING HYBRID TO REMAIN	



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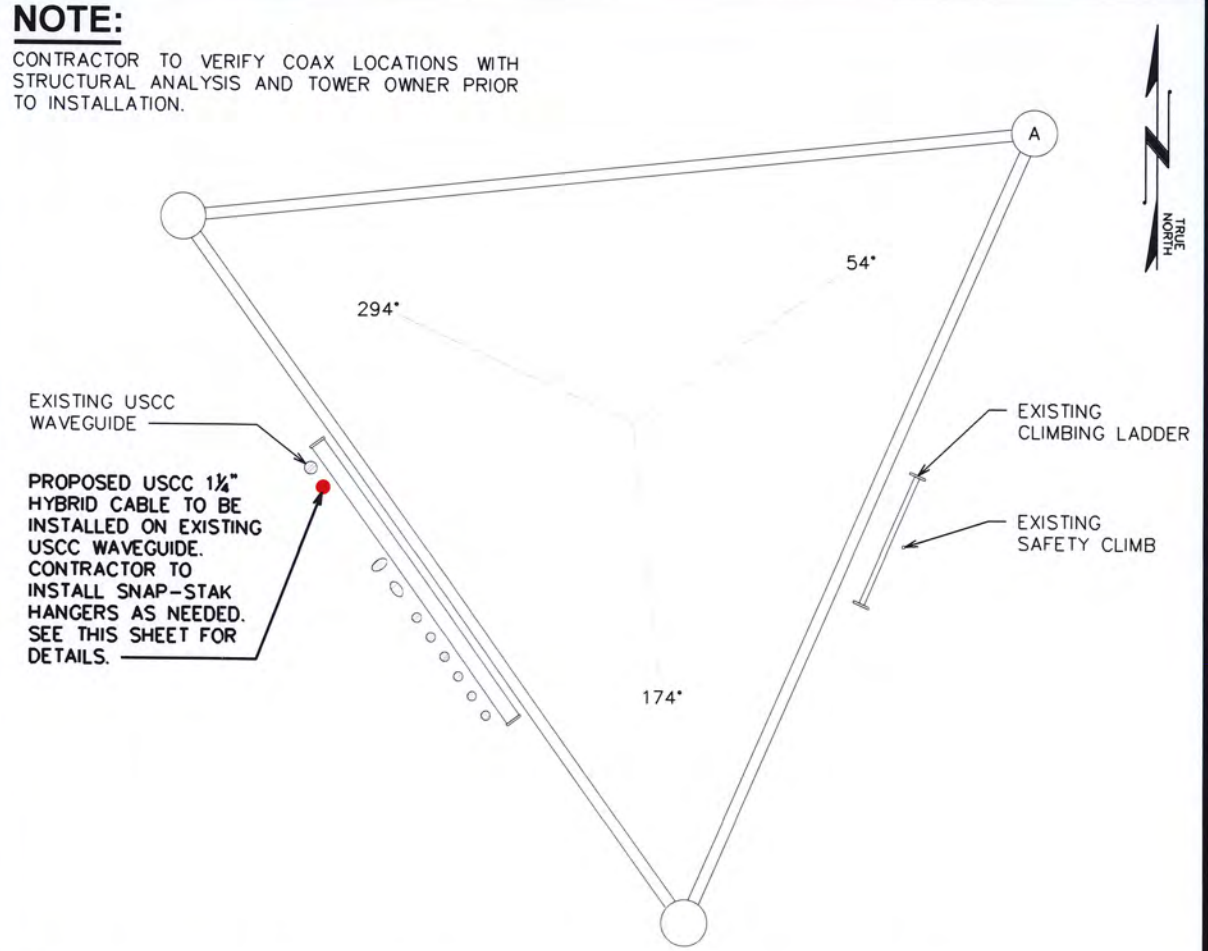
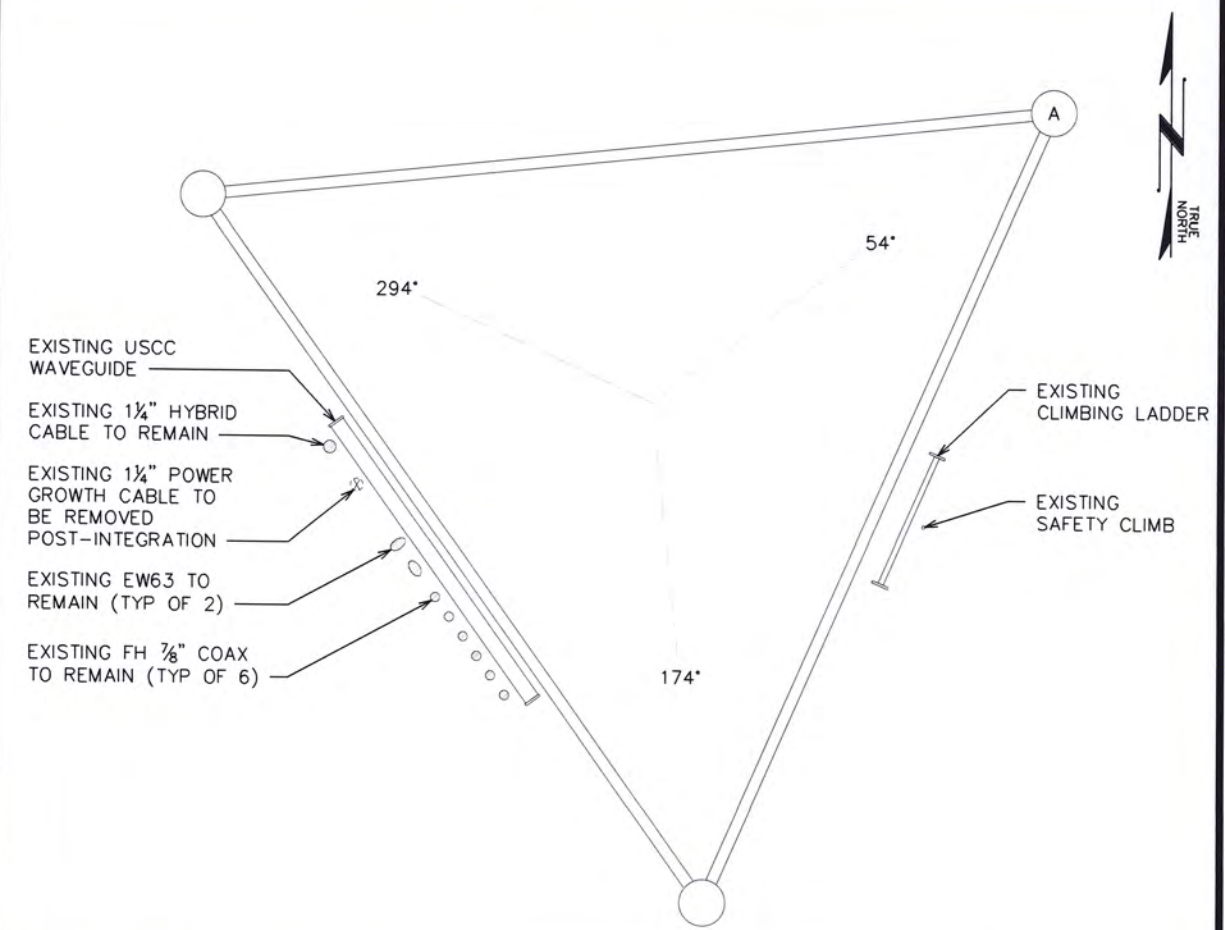
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LEGEND
SCALE: N.T.S.

SNAPSTAK HANGER
SCALE: N.T.S.

USCC WAVEGUIDE

NOTE:
CONTRACTOR TO VERIFY COAX LOCATIONS WITH
STRUCTURAL ANALYSIS AND TOWER OWNER PRIOR
TO INSTALLATION.



EXISTING COAX LAYOUT
SCALE: 3/8" = 1'-0"

0 2 4
SCALE IN FEET

PROPOSED COAX LAYOUT
SCALE: 3/8" = 1'-0"

0 2 4
SCALE IN FEET

SEAL:

October 28, 2019

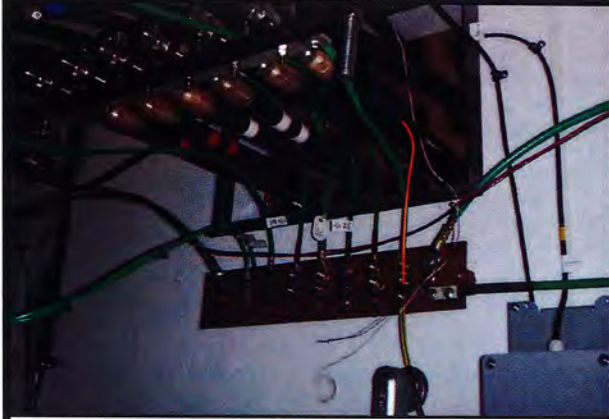
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SHEET TITLE:

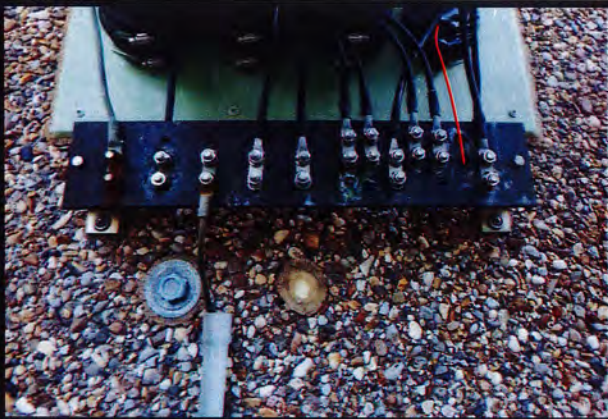
COAX LAYOUT

SHEET NUMBER: **C-6** REVISION: **2**
TEP#: 52499.294779



EXISTING INSIDE SHELTER

SCALE: N.T.S.



EXISTING OUTSIDE SHELTER

SCALE: N.T.S.



EXISTING TOWER BOTTOM

SCALE: N.T.S.

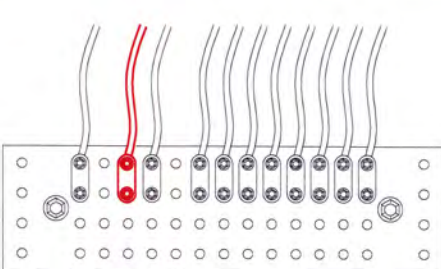
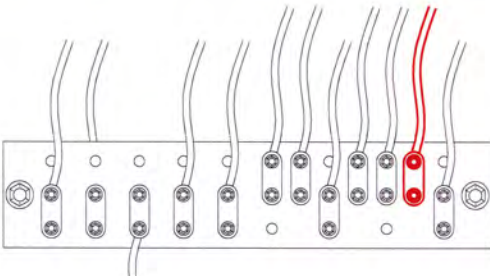
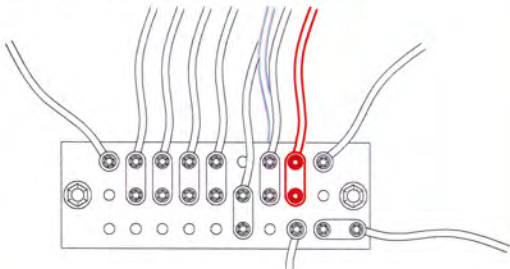


EXISTING TOWER TOP

SCALE: N.T.S.

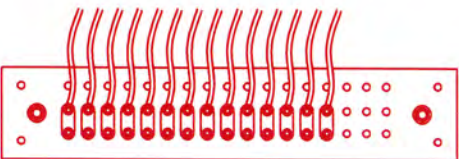
NOTE:

DOUBLE STACK EXISTING LTE LEADS AS NEEDED TO ACCOMMODATE PROPOSED LTE LEAD.



NOTE:

EXISTING GROUND BAR HAS INSUFFICIENT CAPACITY REQUIRED FOR NEW GROUND LEADS. REPLACEMENT REQUIRED. SEE THIS SHEET FOR DETAILS.



PROPOSED INSIDE SHELTER

SCALE: N.T.S.

PROPOSED OUTSIDE SHELTER

SCALE: N.T.S.

PROPOSED TOWER BOTTOM

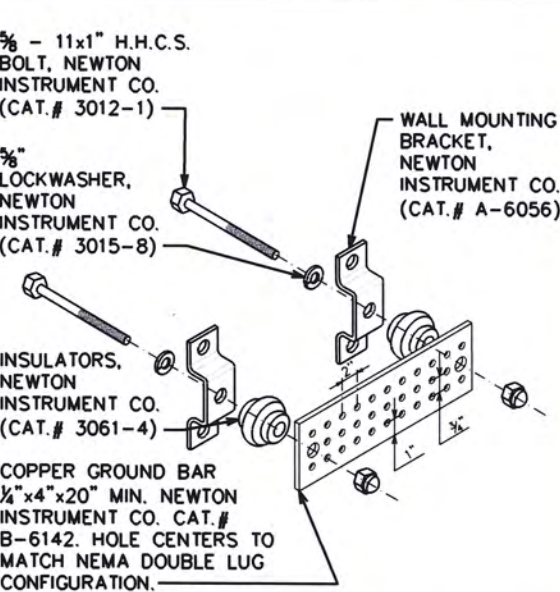
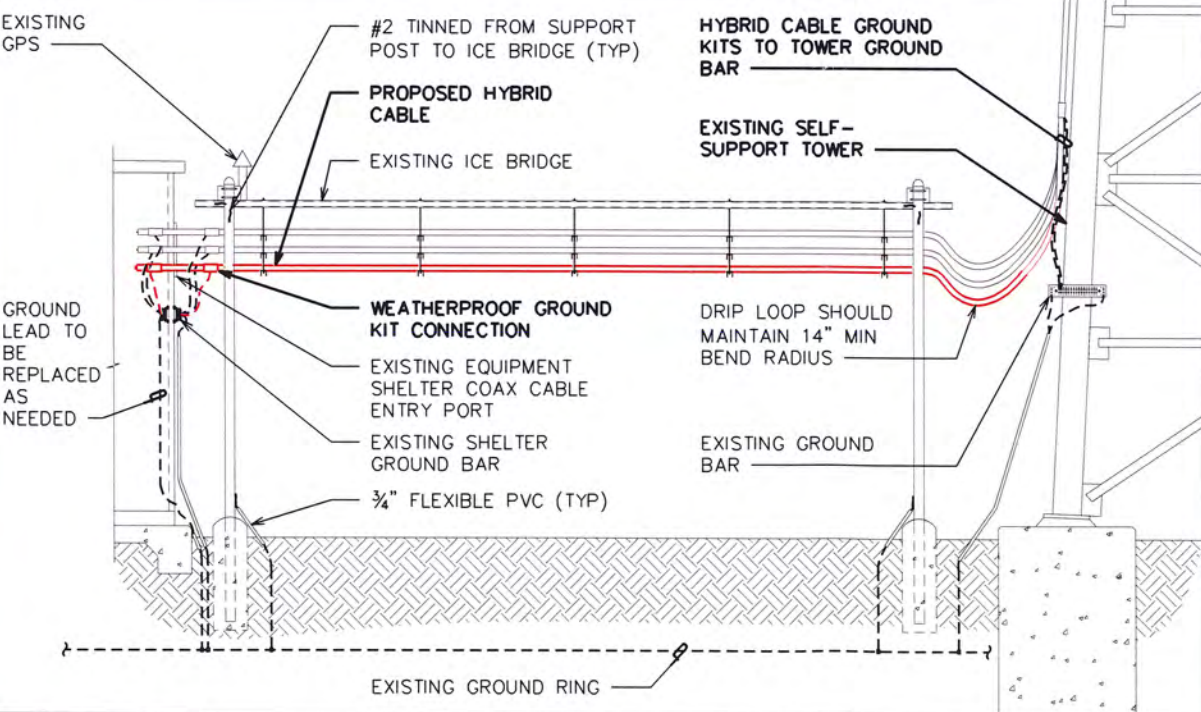
SCALE: N.T.S.

PROPOSED TOWER TOP

SCALE: N.T.S.

NOTES:

- MAX 20" GROUND BAR BY SITE PRO P/N: MG42051-K
- ACCEPTS 3/8" LUGS
- 51-HOLES ALLOWS UP TO 17 RUNS
- 0.75", 0.815" OR 1" HOLE SPACING
- KIT INCLUDES INSULATORS AND STAINLESS STEEL BRACKETS
- CONTRACTOR TO REPLACE EXISTING LUGS AND GROUND LUG WASHERS AS NEEDED.



NOTES:

1. GROUND BAR SHALL BE SIZED TO ACCOMMODATE ALL GROUNDING CONNECTIONS REQUIRED PLUS PROVIDE 50% SPARE CAPACITY
2. MINIMUM SPACING OF 12" BETWEEN ALL CADWELDS

PROP. GROUND BAR DETAIL

SCALE: N.T.S.

SIDE VIEW

SCALE: N.T.S.

STANDARD GND. BAR DETAIL

SCALE: N.T.S.

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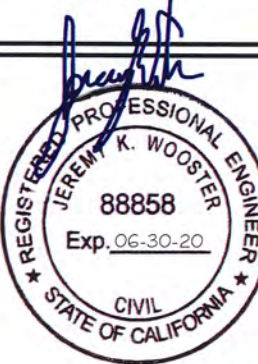
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SHEET TITLE:

**GROUND
BAR DETAILS**

SHEET NUMBER:

C-7

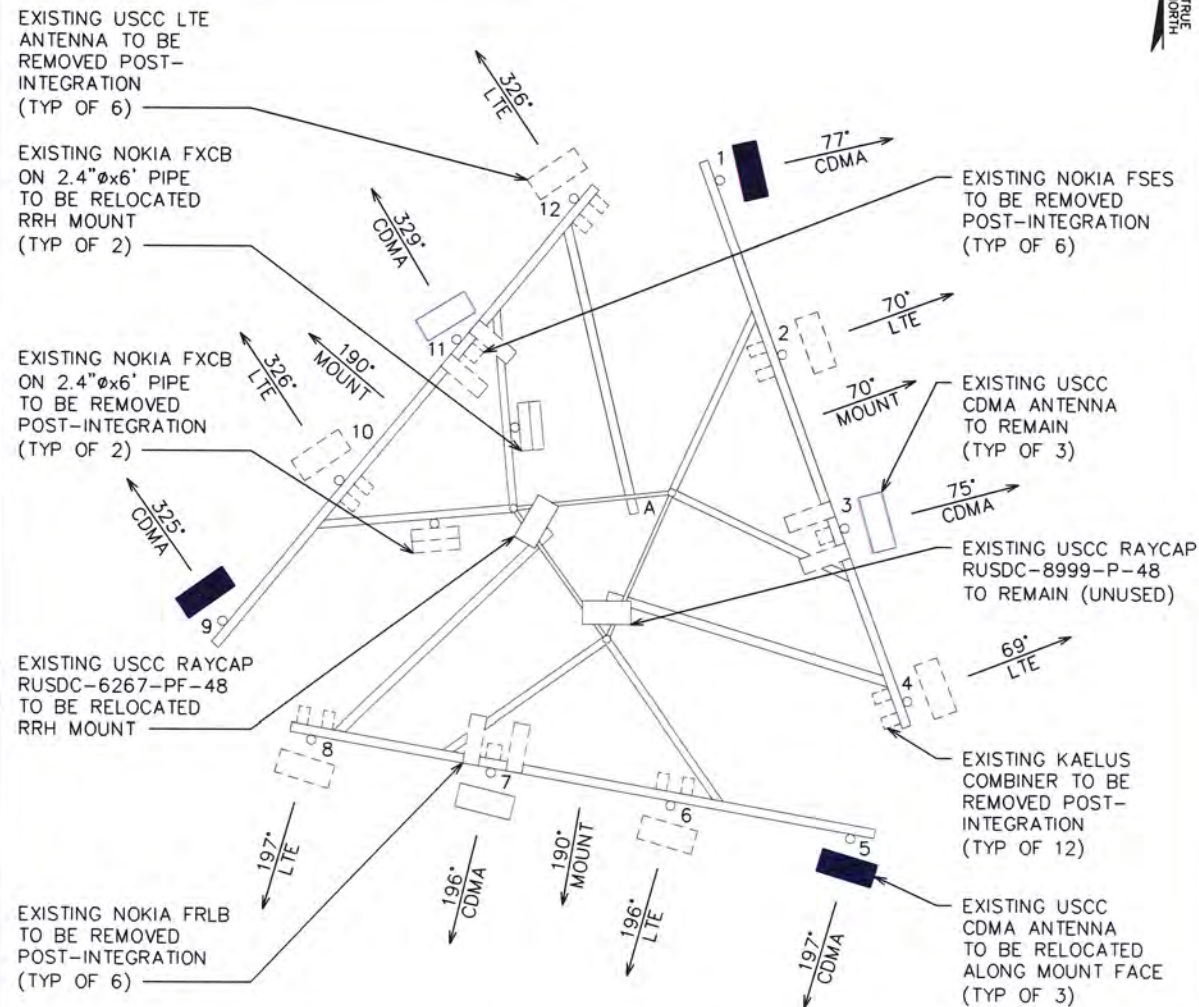
REVISION:

2

TEP#: 52499.294779

LEGEND

EXISTING LTE PANEL TO BE REMOVED
EXISTING CDMA PANEL TO BE RELOCATED
EXISTING CDMA PANEL TO REMAIN
EXISTING RIU TO BE REMOVED



EXISTING LOADING

ANTENNAS							CABLES				TOWER TOP RELATED EQUIPMENT			
SECTOR	ANTENNA POSITION NUMBER	MANUFACTURER/ MODEL NUMBER	ELEC. D-TILT	MECH. D-TILT	TECH	BAND	CABLE TYPE	COAX SIZE	CABLE QTY.	CABLE LENGTH	COMBINER	RRH	RAYCAP	ANTENNA NOTES
ALPHA	1	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	TO BE RELOCATED
ALPHA	2	AMPHENOL HTXCW631819R000G	-	-	LTE	B5/B12 B2/B4	-	-	-	-	*(2) KAEULUS DBC0056F	-	-	TO BE REMOVED
ALPHA	3	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	-
ALPHA	4	AMPHENOL HTXCW631819R000G	-	-	LTE	B5/B12 B2/B4	-	-	-	-	*(2) KAEULUS DBC0056F	*(2) NOKIA FRLB	-	TO BE REMOVED
BETA	5	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	TO BE RELOCATED
BETA	6	AMPHENOL HTXCW631819R000G	-	-	LTE	B5/B12 B2/B4	HYBRID	1 1/2"	1	148'-0"±	*(2) KAEULUS DBC0056F	-	(1) RUSDC-6267-PF-48	TO BE REMOVED
BETA	7	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	-
BETA	8	AMPHENOL HTXCW631819R000G	-	-	LTE	B5/B12 B2/B4	-	-	-	-	*(2) KAEULUS DBC0056F	*(2) NOKIA FRLB	-	TO BE REMOVED
GAMMA	9	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	TO BE RELOCATED
GAMMA	10	AMPHENOL HTXCW631819R000G	-	-	LTE	B5/B12 B2/B4	POWER GROWTH	1 1/2"	1	148'-0"±	*(2) KAEULUS DBC0056F	(4) NOKIA FXCB	(1) RUSDC-8999-P-48	TO BE REMOVED
GAMMA	11	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	-
GAMMA	12	AMPHENOL HTXCW631819R000G	-	-	LTE	B5/B12 B2/B4	-	-	-	-	*(2) KAEULUS DBC0056F	*(2) NOKIA FRLB	-	TO BE REMOVED

*EXISTING EQUIPMENT TO BE REMOVED.

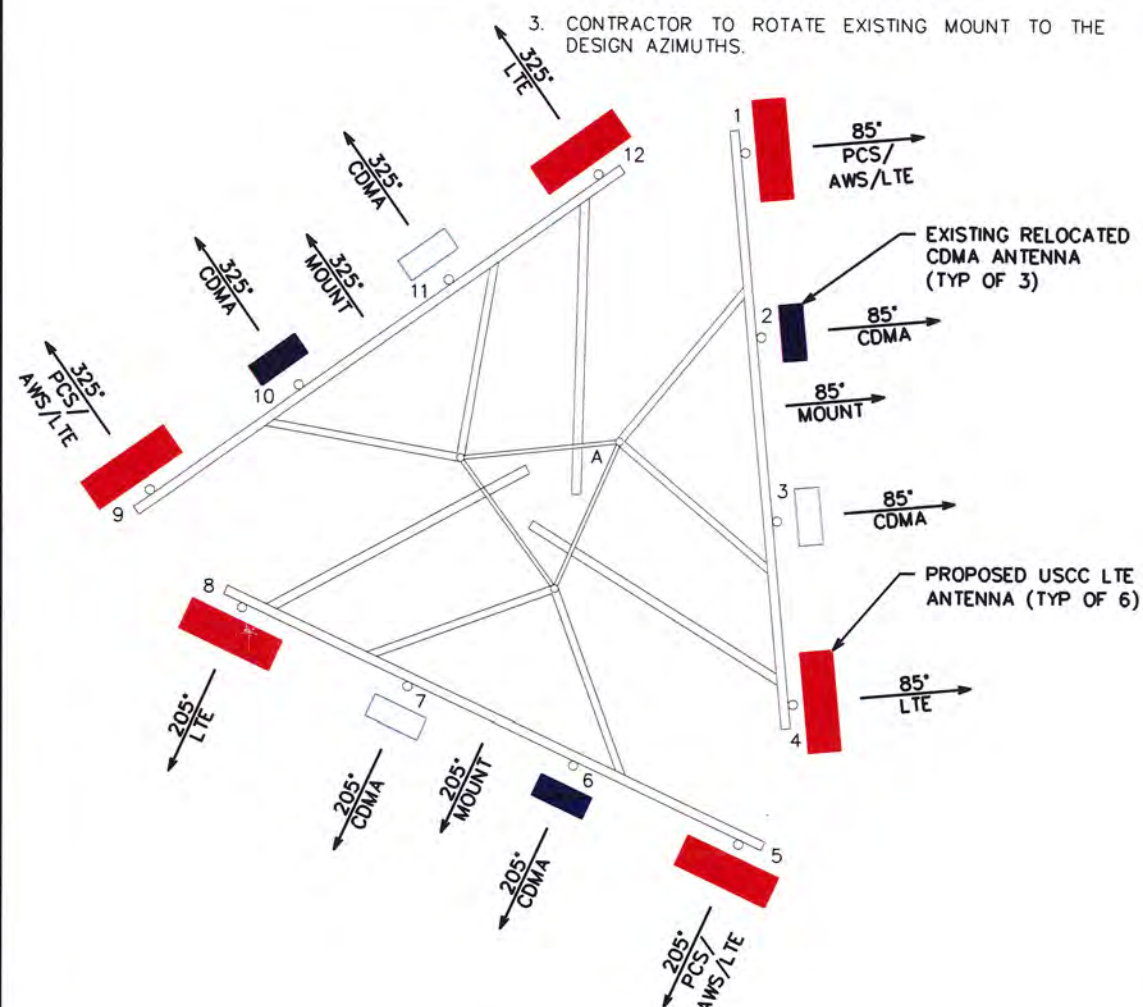
EXISTING ANTENNA ASSIGNMENT

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



LEGEND

PROPOSED LTE PANEL
EXISTING RELOCATED CDMA PANEL
EXISTING CDMA PANEL



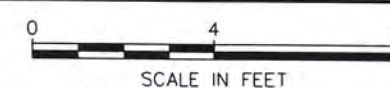
PROPOSED LOADING

ANTENNAS							CABLES				TOWER TOP RELATED EQUIPMENT			
SECTOR	ANTENNA POSITION NUMBER	MANUFACTURER/ MODEL NUMBER	ELEC. D-TILT	MECH. D-TILT	TECH	BAND	CABLE TYPE	COAX SIZE	CABLE QTY.	CABLE LENGTH	*COMBINER	**RRH	RAYCAP	NOTES
ALPHA	1	DENGYO OCTB-2LX2HX-BW65	6°	0°	PCS/AWS/LTE	B71/B12/B2/B4	HYBRID	1 1/2"	1	150'-0"±	-	(1) AHLQA (1) AHFIB	(1) RUSDC-6267-PF-48	-
ALPHA	2	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	-
ALPHA	3	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	-
ALPHA	4	DENGYO OCTB-2LX2HX-BW65	6°	0°	LTE	B5	-	-	-	-	-	-	-	-
BETA	5	DENGYO OCTB-2LX2HX-BW65	2°	0°	PCS/AWS/LTE	B71/B12/B2/B4	HYBRID	1 1/2"	1	148'-0"±	-	(1) AHLQA (1) AHFIB	(1) RUSDC-6267-PF-48	-
BETA	6	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	-
BETA	7	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	-
BETA	8	DENGYO OCTB-2LX2HX-BW65	2°	0°	LTE	B5	-	-	-	-	-	-	-	-
GAMMA	9	DENGYO OCTB-2LX2HX-BW65	4°	0°	PCS/AWS/LTE	B71/B12/B2/B4	-	-	-	-	-	(1) AHLQA (1) AHFIB	(1) RUSDC-8999-P-48	RAYCAP 8999 IS TO REMAIN FOR FUTURE GROWTH
GAMMA	10	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	-
GAMMA	11	ANTEL RWA 80015	-	-	CDMA	B5	COAX	3/8"	1	148'-0"±	-	-	-	-
GAMMA	12	DENGYO OCTB-2LX2HX-BW65	4°	0°	LTE	B5	-	-	-	-	-	(4) FXCB	-	-

*RAYCAP AND RRHs LOCATED ON SEPARATE RRH MOUNT. SEE SHEET C-9 FOR MORE DETAILS.
**CONTRACTOR TO CONFIRM FINAL LOADING WITH USCC PRIOR TO INSTALLATION.

PROPOSED ANTENNA ASSIGNMENT

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



PLANS PREPARED FOR:

U.S. Cellular
8410 W BRYN MAWR, SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

568365
COLD SPRINGS
10551 SIGNAL RIDGE ROAD
PHILO, CA 95466
(MENDOCINO COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net

SEAL:



October 28, 2019

REV	DATE	ISSUED FOR:
2	10-28-19	CONSTRUCTION
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0	09-18-19	PRELIMINARY

DRAWN BY: RRG CHECKED BY: DWB

SHEET TITLE:

ANTENNA
MOUNTING DETAILS

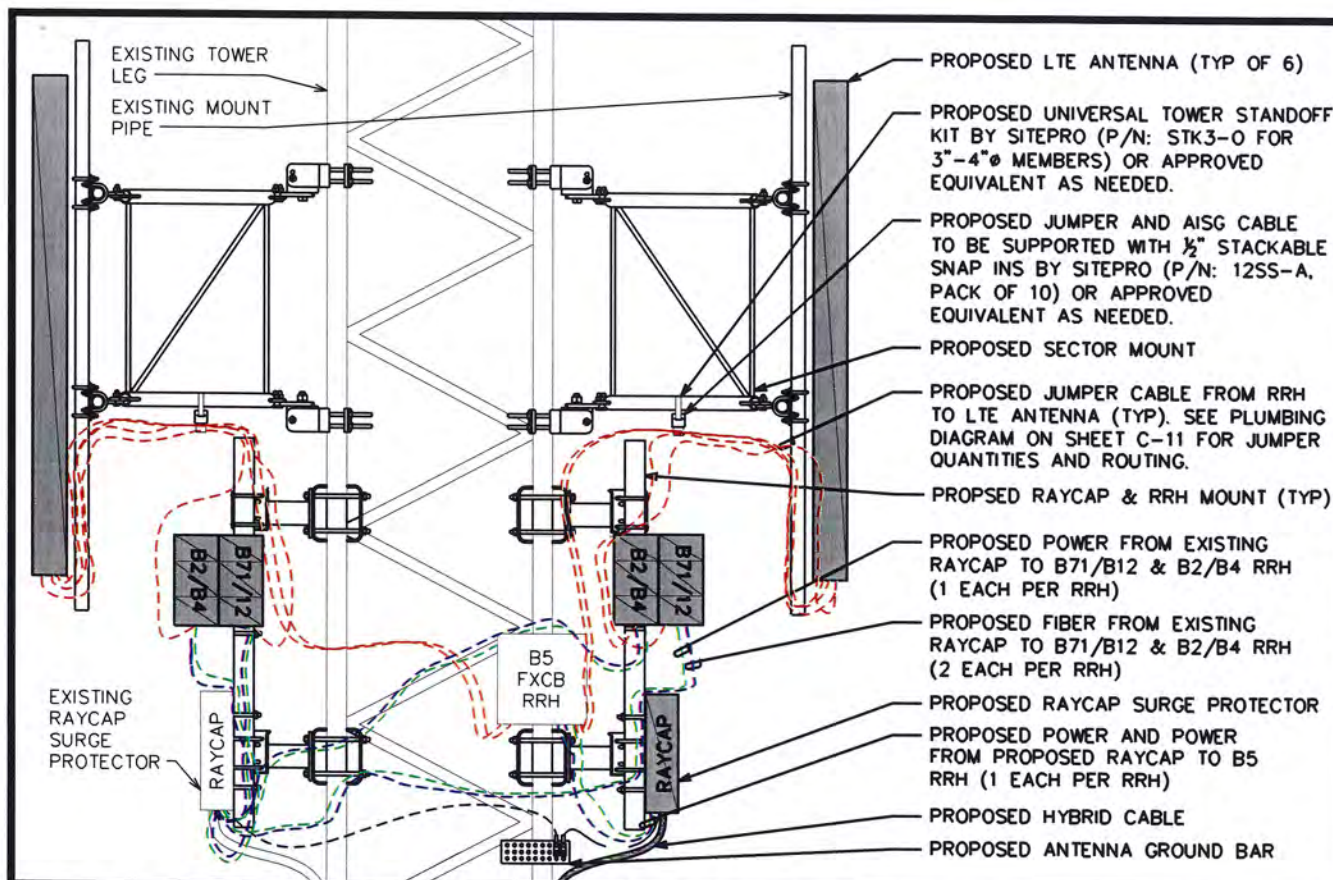
SHEET NUMBER:

C-8

REVISION:

2

TEP#: 52499.294779



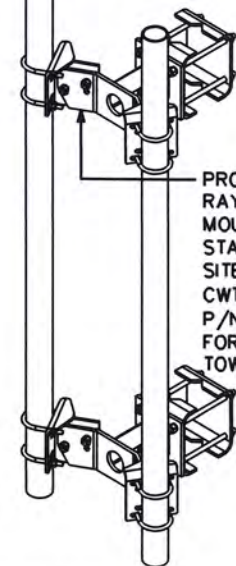
RAYCAP & RRH MOUNTING DETAIL (ELEVATION)

SCALE: N.T.S.

NOTE:

USCC TO PROVIDE RRH MOUNT

PROPOSED 2.4"x6'-0" MOUNT PIPE (TYP OF 2 PER MOUNT). CONTRACTOR TO PROVIDE.



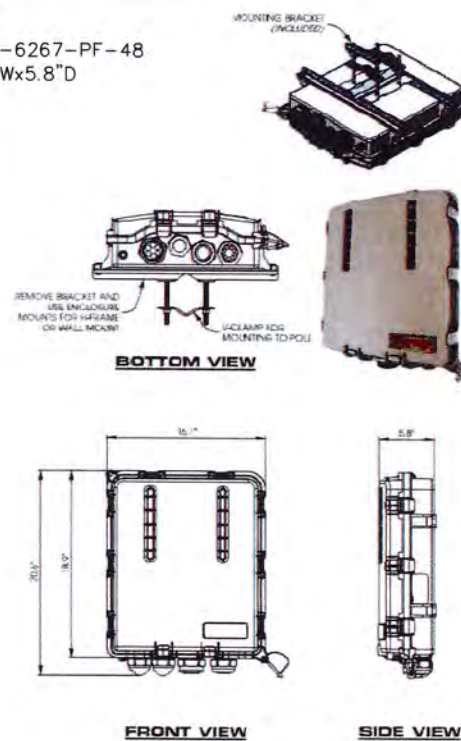
PROPOSED DUAL RAYCAP & RRH MOUNT WITH 14" STANDOFF BY SITEPRO (P/N: CWT8). USE P/N: CWT8-LL FOR LARGER TOWER LEGS.

RRH MOUNT

SCALE: N.T.S.

NOTES:

- P/N: RUSDC-6267-PF-48
- 20.6"Hx18.9"Wx5.8"D
- 19.95 LBS.



RAYCAP SPEC SHEET

SCALE: N.T.S.

EXISTING RELOCATED RAYCAP TO BE USED FOR B71/B12 & B2/B4 RADIOS.

EXISTING RELOCATED NOKIA B5 RRH (TYP OF 4).

PROPOSED NOKIA B71/B12 RRH (TYP OF 3). MOUNT PER MANUFACTURER SPECS.

PROPOSED NOKIA B2/B4 RRH (TYP OF 3). MOUNT PER MANUFACTURER SPECS.

EXISTING SAFETY CLIMB. SEE NOTE 3.

PROPOSED RRH MOUNT (TYP OF 3). SEE THIS SHEET FOR DETAILS.

NOTES:

1. CONTRACTOR TO PROVIDE NOKIA RRHs.
2. CONTRACTOR TO LEAVE OPENING FOR SAFETY CLIMB AND ENSURE SAFETY CLIMB IS NOT OBSTRUCTED/COMPROMISED.
3. TOWER TOP FIBER/POWER CONNECTIONS FROM RAYCAP TO RRH SHOULD BE SHIELDED IN 1" INNERDUCT (75' PROVIDED IN HYBRID KIT).

RAYCAP & RRH MOUNTING DETAIL (PLAN)

SCALE: N.T.S.

NOTES:

- 1/4" FIBER OPTIC CABLE WITH 48V ENERGY FEEDER IN CORRUGATED ALUMINUM SHIELDING WITH UV RESISTANT PE JACKET.
- MINIMUM BENDING RADIUS: 360mm (14")
- MAXIMUM PULLING STRENGTH: 150daN
- MAXIMUM HANGER SPACING: 1.0m
- APPROX WEIGHT: 2300kg/km (1.55LB/FT)
- SHIPPED W/4' PROTECTED JACKET (2.25" O.D.) AT EACH END
- NON-ARMORED ENDS ARE 3" IN LENGTH (2' O.D.)



EUPEN HYBRID CABLE

SCALE: N.T.S.

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DRAWN BY: RRG CHECKED BY: DWB

SHEET TITLE:

RAYCAP & RRH
SPEC SHEET I

SHEET NUMBER:

C-9

REVISION:

2

TEP#: 52499.294779



Product name	AirScale Dual RRH 4T4R B12/71 240W AHLOA
Supported frequency bands	3GPP bands 12 and 71
Frequencies	Band 85 (12,17): UL 698 – 716 MHz, DL 728 – 746 MHz Band 71: UL 663 MHz – 698 MHz, DL 617 MHz – 652 MHz
Number of TX/RX ports	4 pipes; 2T2R, 2T4R, 4T4R for both bands
Instantaneous Bandwidth IBW	17 MHz for B12 and 35MHz for B71 1 MHz NB IoT future use in B85
Occupied Bandwidth OBW	UL: 53MHz contiguous DL: B12 17MHz + 1 MHz NB IoT future use. B71 35MHz
Output power	60W per TX shared between bands
Supply Voltage / Voltage Range	DC-48 V / -36 V to -60 V
Typical power consumption	664W [ETSI Busy Hour Load at 4TX@60W] 465W [ETSI Busy Hour Load at 4TX@20W]
Antenna ports	4 ports, 4.3-10
Optical ports	2 x CPRI 9.8 Gbps
ALD control interfaces	AISG3.0 and RET (DC on ANT1 & ANT3)
Other interfaces	External alarm MDR-26 serial connector (4 inputs, 1 output) DC circular power connector
Operational temperature range	-40°C to 55°C (with no solar load)
Dimensions (mm) height x width x depth	560 x 308 x 189
Volume (liters)	32.5
Weight (kg)	38
Ingress protection class	IP65
Installation options	Pole or Wall; vertical or horizontal book mount
Surge protection	Class II 5kA



Band: 5 Model: FXCB | FXCA
Freq: 800 MHz
Dimensions: W 19.4 X D 22.1 X H 5.2
Weight: 55.1 Lbs.
MIMO: No

AHLOA SPEC SHEET

SCALE: N.T.S.

FXCB SPEC SHEET

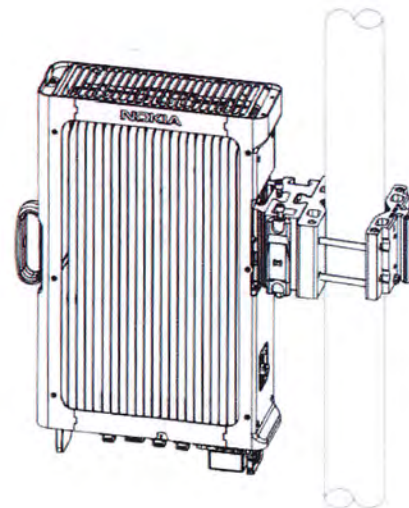
SCALE: N.T.S.



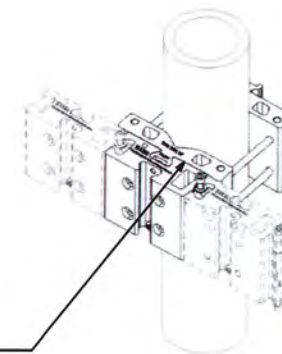
Product name	AirScale Dual RRH 4T4R B25/66 320W, AHFIB – 474216A
Supported Frequency bands	3GPP Bands 25 and 66
Frequencies	Band 25: DL 1930-1995MHz, UL 1850-1915MHz Band 66: DL 2110-2200MHz, UL 1710-1780MHz
Number of TX/RX ports	4/4
Instantaneous Bandwidth IBW	Band 25/ Band 66 – full band
Occupied Bandwidth OBW	Band 25: full band, Band 66: 80MHz
Output Power	40W per band, 80W per TX
Supply Voltage / Voltage Range	DC-48 V / -36V to -60V
Typical Power Consumption	525W (ETSI 24h Avg – 4x20W per band, 40W per TX port)
Antenna Ports	4 ports, 4.3-10+
Optical Ports	2 x CPRI 9.8 Gbps
ALD Control Interfaces	AISG3.0 from ANT 1,2,3,4 and RET (Power supply ANT1 and ANT3)
Other interfaces	External Alarm MDR-26 Serial connector (4 inputs, 1 Output) DC Circular Power Connector
Operational Temperature Range	-40°C to 55°C (with no solar load)
Dimensions (mm) Height x width x depth	560x308x149 mm (without covers or mounting bracket)
Volume (liters)	< 26 (without covers or mounting bracket)
Weight (kg)	< 30 (without covers or mounting bracket)
Ingress protection class	IP65
Installation options	Pole, Wall; Book mount: Vertical wall/pole, Horizontal wall
Surge protection	Class II 5kA

NOTES:

1. NOKIA POLE MOUNTING KIT (AMPA) 473879A.
2. CAN BE USED WITH PIPES FROM 1.2"Ø TO 4.7"Ø.
3. AIRSCALE BOOK MOUNT KIT 176–200 (AMBH)



PROPOSED
BOOK MOUNT –



PROPOSED POLE
MOUNT KIT

AHFIB SPEC SHEET

SCALE: N.T.S.

RRH POLE AND BOOK MOUNT KIT

SCALE: N.T.S.

PLANS PREPARED FOR:

U.S. Cellular
8410 W BRYN MAWR, SUITE 700
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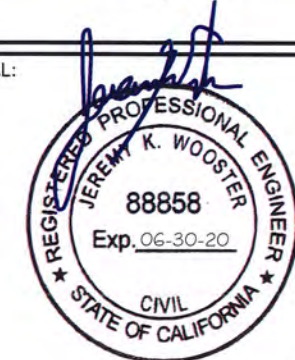
568365
COLD SPRINGS
10551 SIGNAL RIDGE ROAD
PHILO, CA 95466
(MENDOCINO COUNTY)

PLANS PREPARED BY:



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326 TRYON ROAD
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DRAWN BY: RRG CHECKED BY: DWB

SHEET TITLE:

RAYCAP & RRH
SPEC SHEET II

SHEET NUMBER:

C-10

REVISION:

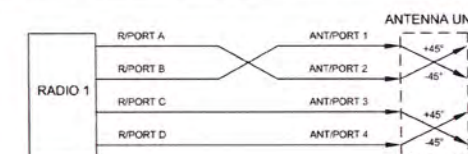
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TEP#: 52499.294779



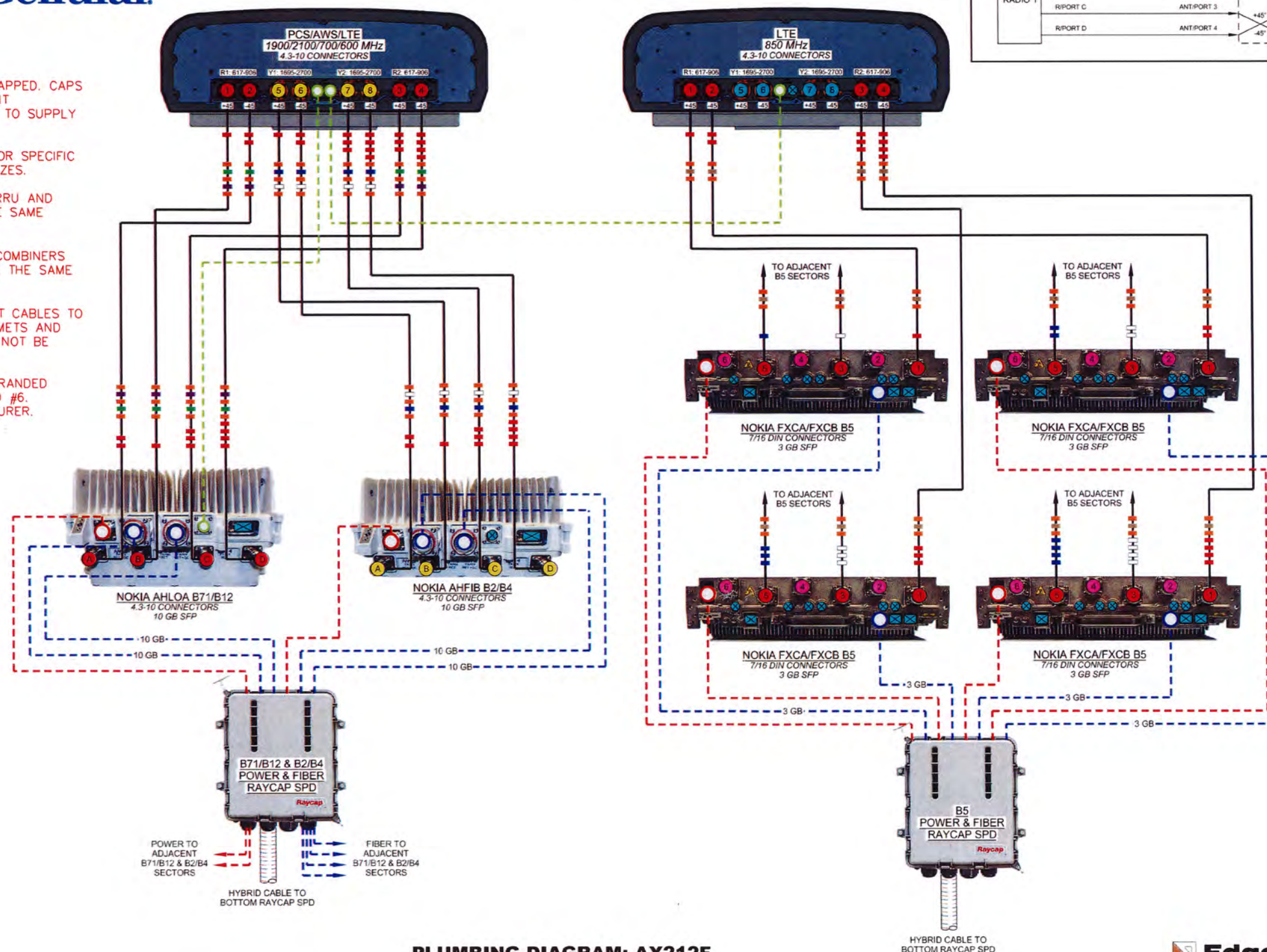
NSN// B71/B12 / B2/B4 / B5
PER SECTOR CONFIGURATION

ANT. TO AIRSCALE RADIO DE-CORRELATION



NOTES:

1. UNUSED PORTS TO BE CAPPED. CAPS INCLUDED WITH EQUIPMENT PURCHASE. CONTRACTOR TO SUPPLY IF NECESSARY.
2. SEE TOWER ELEVATION FOR SPECIFIC JUMPER LENGTHS AND SIZES.
3. ALL JUMPERS BETWEEN RRU AND COMBINERS MUST BE THE SAME LENGTH (PER SECTOR).
4. ALL JUMPERS BETWEEN COMBINERS AND ANTENNAS MUST BE THE SAME LENGTH (PER SECTOR).
5. EXCESS JUMPER AND RET CABLES TO BE SECURED WITH GROMMETS AND SNAP-INS. VELCRO MAY NOT BE USED.
6. CONTRACTOR TO USE STRANDED INSULATED GROUND LEAD #6, SPECIFIED BY MANUFACTURER.



DATE CREATED: 09/26/2019

PLUMBING DIAGRAM

SCALE: N.T.S.

PLANS PREPARED FOR:

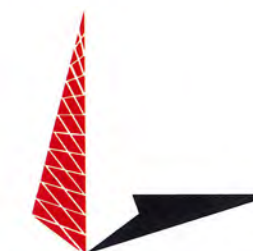


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PROJECT INFORMATION:

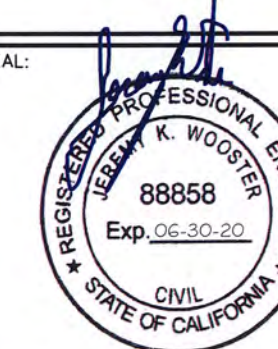
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SHEET TITLE:

**PLUMBING
DIAGRAM**

SHEET NUMBER:

C-11

REVISION:

2

TEP#: 52499.294779



Base Station Antennas

Frequency Range	617-894x2 1695-2400x2
Polarization	±45°
Half-Power Beam Width	65°
Electrical Downtilt	2° - 12°x4

Type OCT8-2LX2HX-BW65

Base Station Antenna

8-ports 617-894 / 617-894 / 1695-2400 / 1695-2400 MHz 65°, 16 / 16 / 18 / 18 dBi, 2°-12° / 2°-12° / 2°-12° / 2°-12° Tilt Antenna With 4 Integrated RCUs.

Electrical Specifications

Electrical Specifications		2x617-894			2x1695-2400		
Frequency Range(MHz)		617-698	698-824	824-894	1695-1920	1920-2180	2300-2400
Polarization		±45°					
Horizontal 3dB Beamwidth(°)		70	63	60	66	63	58
Vertical 3dB Beamwidth(°)		10.4	9.1	8.0	5.5	5	4.3
Gain (dBi)		15.0	15.5	16.0	17.6	18.0	18.1
Electrical Downtilt		2°-12°			2°-12°		
Upper Sidelobe Suppression(dB)	First	≥16	≥16	≥16	≥16	≥16	≥16
Front-to-Back Ratio Total Power, ± 30° (dB)		≥23	≥24	≥25	≥25	≥25	≥25
Cross polar ratio	Main direction(dB)	≥17	≥17	≥17	≥17	≥17	≥17
	± 60° (dB)	≥7	≥7	≥7	≥7	≥7	≥7
Isolation ports		≥25 dB					
Isolation Frequency		≥30 dB					
VSWR		< 1.5					
Intermodulation IM3		< -150 dBc(2x43dBm carrier)					
Impedance		50 Ω					
Max. Power per Input (at 50°C ambient temperature)		500 W			300 W		
Lightning Protection		DC Ground					



Mechanical Specifications

Radome Material	Fiberglass
Connector Type and Location	4.3-10x8, Bottom iRCU in: 1 x 8 pin male iRCU out: 1 x 8 pin female
Dimensions, HxWxD(mm)/(inches)	2438 x 499 x 180 / 95.9 x 19.6 x 7.1
Packing Size(mm)/(inches)	2750 x 620 x 325 / 108.3 x 24.4 x 12.8
Weight, w/o Mounting kit(kg)/(lbs)	47 / 103.4
Weight, with Mounting kit(kg)/(lbs)	53 / 116.6
Packing Weight(kg)/(lbs)	63 / 138.6
Max. Wind Velocity(mph)	150
Mounting hardware	Ø 50 mm ~ Ø 115 mm
Operational Temperature(°C)	-40 to +65
Operational Humidity(%)	<95
Wind Load at 100mph (Frontal/lateral/Rearside(N))	1416/280/1027



Base Station Antennas

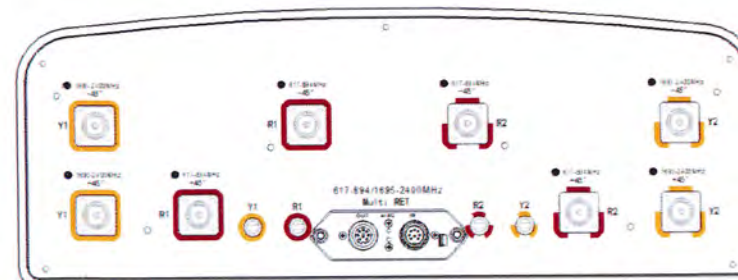
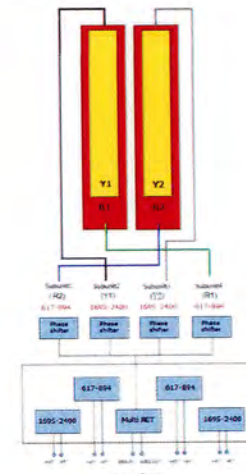
Frequency Range	617-894x2 1695-2400x2
Polarization	±45°
Half-Power Beam Width	65°
Electrical Downtilt	2° - 12°x4

Type OCT8-2LX2HX-BW65

Integrated RET Properties

Protocols	Compliant to AISG 2.0/3GPP
Input voltage range	+10~+30VDC(pin 6)
Power consumption	<2W(stand by); <13W(motor activated)
Connectors	AISG
	2 x 8 pin connector acc. To IEC 60130-9 Acc.to AISG Daisy chain in: male Daisy chain out: female
Hardware interface	Antenna
	Two motor shaft(Embedded motor)
RS485A/B(pin5/pin3); Power supply(pin6); DC return(pin7) Acc.to AISG	
Adjustment time(full range)	
40 sec(typically, depending on antenna)	
Adjustment Cycles	
≥10000	
Torque Max	
≥160mN.m	
Lightning Protection Rating	
IEC 61000-4-5 Current Pulse Profile, 8/20 μs 10 Repetitions Min. @ 6kA IEC 61312-1 Annex B Current Pulse Profile, 10/350 μs, 200 Repetitions Min. @ 0.6kA	

COMPREHENSIVE TILT CONFIGURATION



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OCT8-2LX2HX-BW65 Rev.3

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OCT8-2LX2HX-BW65 Rev.3

PLANS PREPARED FOR:



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CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

568365
COLD SPRINGS

10551 SIGNAL RIDGE ROAD
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PLANS PREPARED BY:



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SHEET TITLE:

ANTENNA
SPEC SHEET

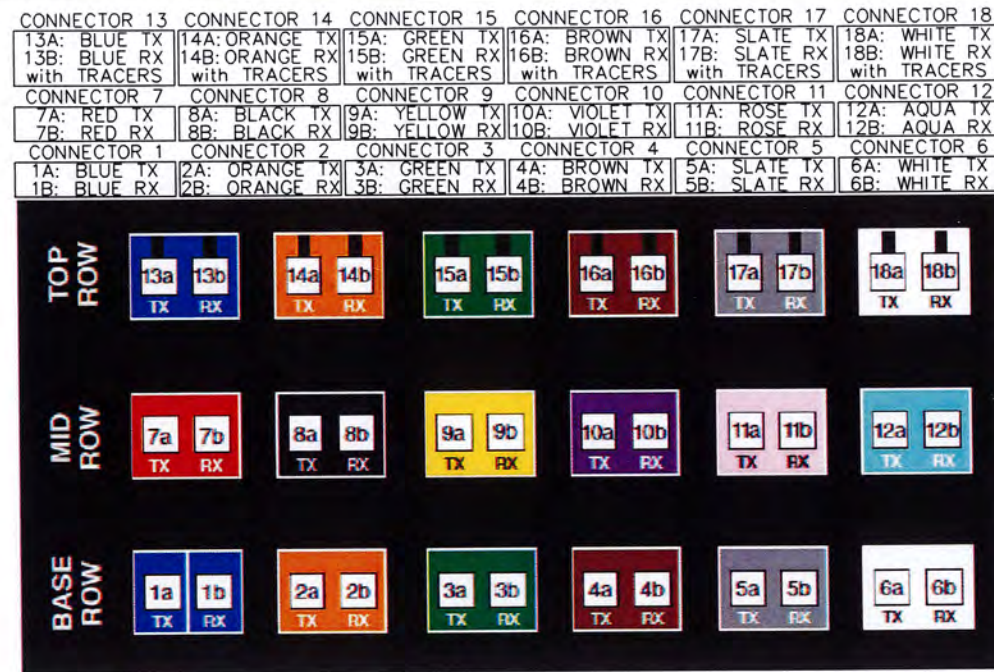
SHEET NUMBER:	REVISION:
C-12	2
TEP#: 52499.294779	

DENGYO OCT8-2LX2HX-BW65

SCALE: N.T.S.

NOTE:

REFER TO USCC DOCUMENT "TOWER MOUNTED EQUIPMENT AND TOWER CABLE STANDARDS AT CELL SITES" FOR COMPLETE COLOR CODING STANDARDS.



PROPOSED (24) FIBER CABLES

PROPOSED (12) TERMINAL BLOCK 6-20 AWG

PROPOSED (18) FIBER COUPLERS ON FIBER LANDING

PROPOSED (6) STRIKESORB MODULE

PROPOSED (6) FIBER CABLES

PROPOSED (5) BEND PROTECTORS

PROPOSED GROUND STRIP FOR SHIELD AND DRAIN WIRES

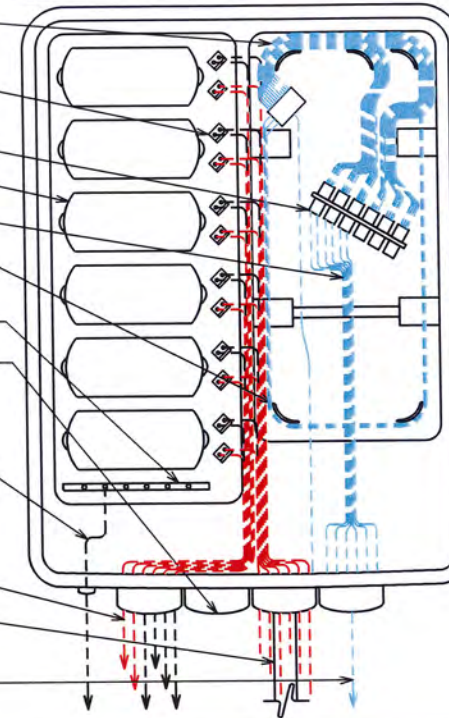
PROPOSED EMPTY PORT

PROPOSED #6 INSULATED GROUND LEAD WITH 2 LUG MECHANICAL CONNECTION BETWEEN PROPOSED RAYCAP AND EXISTING RF GROUND BAR

PROPOSED POWER JUMPER CABLES TO RRHS

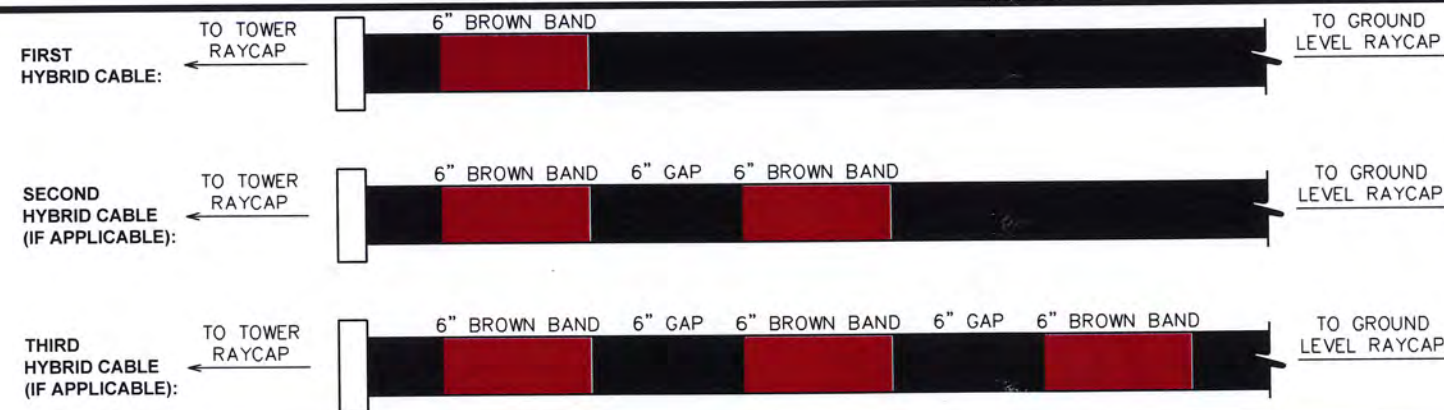
PROPOSED 1/4" HYBRID CABLE

PROPOSED FIBER OPTIC JUMPER CABLE TO RRHS



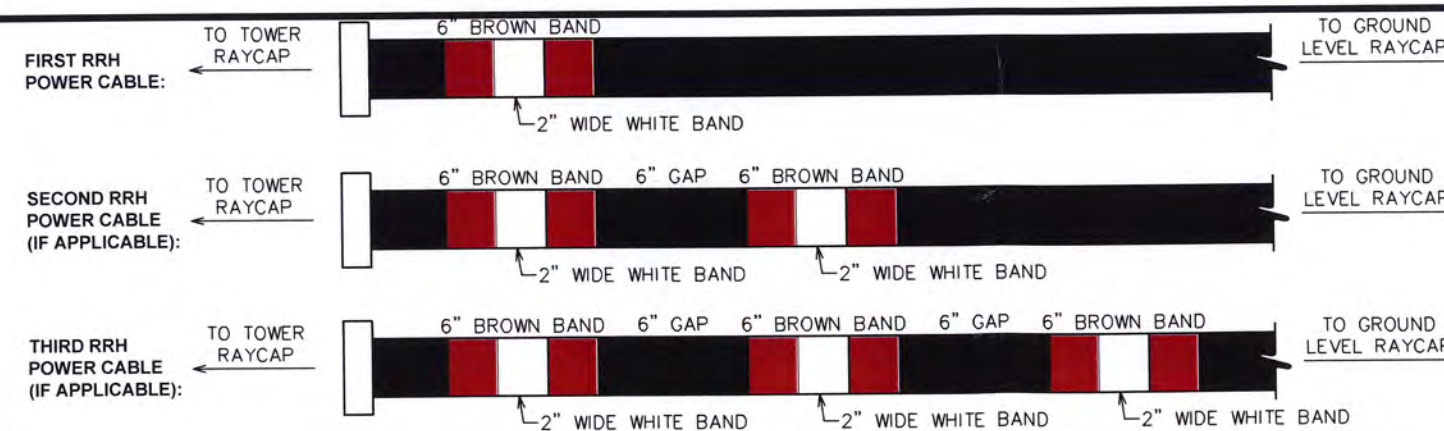
FIBER CABLE LABELING

SCALE: N.T.S.



HYBRID CABLE BANDING

SCALE: N.T.S.



FIBER CABLE BANDING

SCALE: N.T.S.

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SHEET TITLE:


LABELING
STANDARDS I

SHEET NUMBER: **C-13** REVISION: **2**
TEP#: 52499.294779

Sector Band Assignments (Most Common Case: Single Technology within the Sector)					
Sector Band	Assigned Color	Line 1	Line 2	Line 3	Line 4
Alpha (Sector 1)	red	1 red band	2 red bands	3 red bands	4 red bands
Beta (Sector 2)	white	1 white band	2 white bands	3 white bands	4 white bands
Gamma (Sector 3)	blue	1 blue band	2 blue bands	3 blue bands	4 blue bands
Delta (Sector 4, if applicable)	green	1 green band	2 green bands	3 green bands	4 green bands
Epsilon (Sector 5, if applicable)	violet	1 violet band	2 violet bands	3 violet bands	4 violet bands
Zeta (Sector 6, if applicable)	brown	1 brown band	2 brown bands	3 brown bands	4 brown bands

FREQUENCY BAND	
FREQUENCY	FREQUENCY BAND
700 (B12)	GREEN
800 (B5)	BROWN
1900 (B2)	BLUE
2100 (B4)	WHITE
2100 (B66)	GREY
600 (B71)	VIOLET
3.5 GHz	RED

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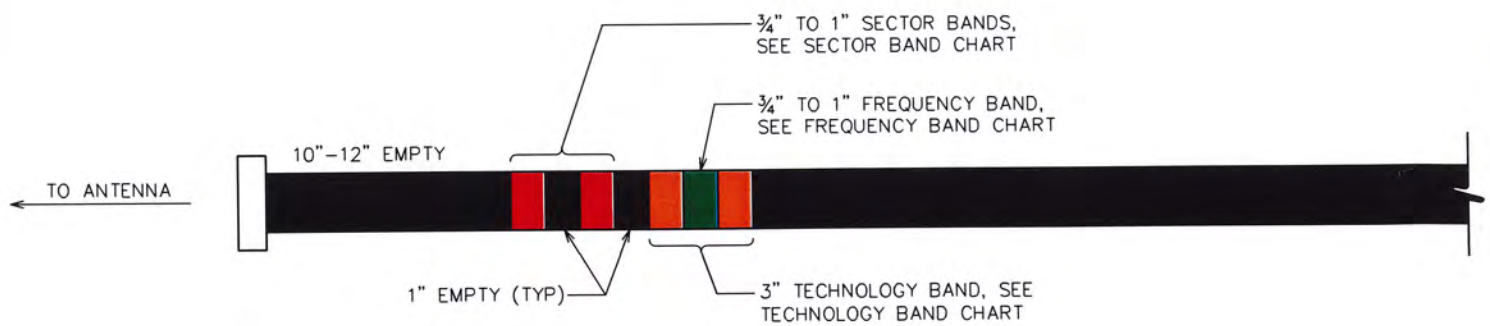
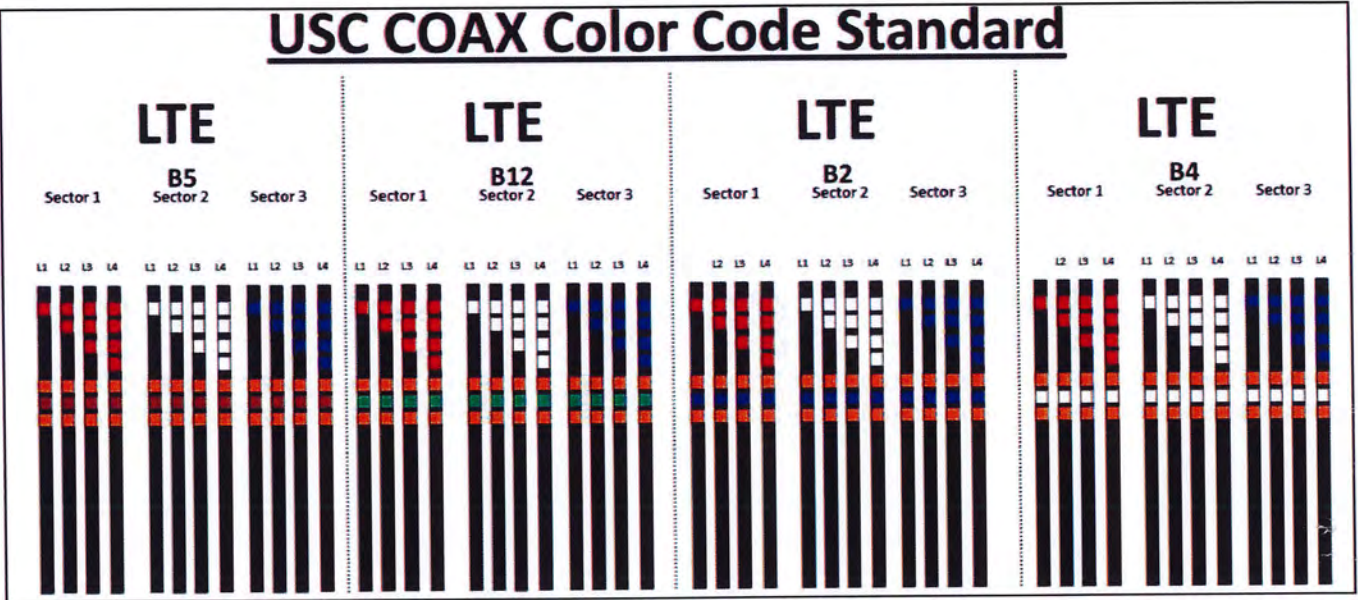
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SHEET TITLE:

LABELING STANDARDS II

SHEET NUMBER: **C-14** REVISION: **2**
TEP#: 52499.294779

USC COAX Color Code Standard

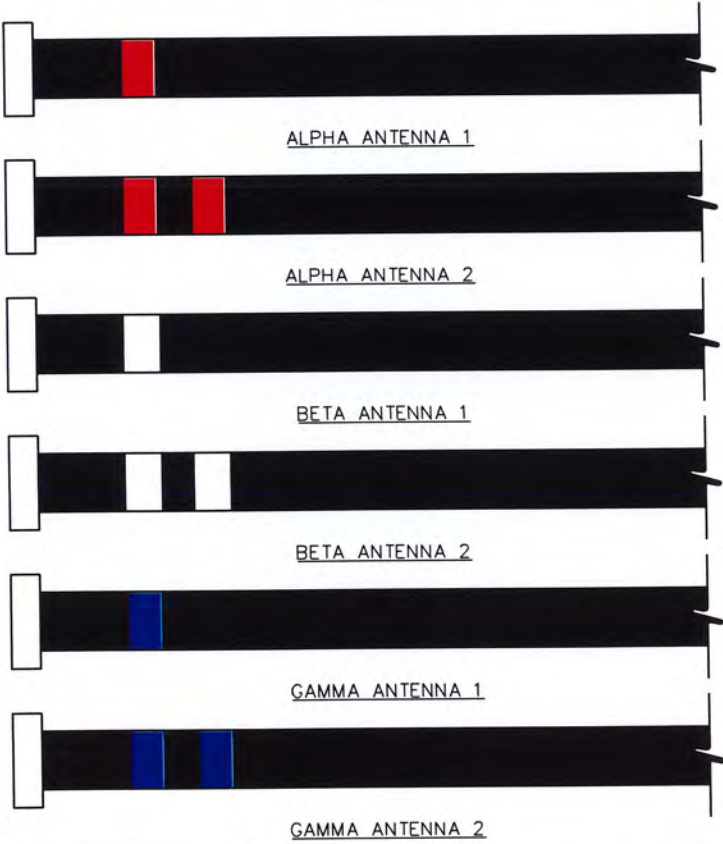


COAX CABLE BANDING

SCALE: N.T.S.

RET SECTOR BAND

SECTOR	LINE 1 - FIRST TECHNOLOGY	LINE 2 - FIRST TECHNOLOGY
ALPHA	(1) RED BAND	(2) RED BAND
BETA	(1) WHITE BAND	(2) WHITE BAND
GAMMA	(1) BLUE BAND	(2) BLUE BAND



RET CABLE BANDING

SCALE: N.T.S.

GENERAL NOTES:

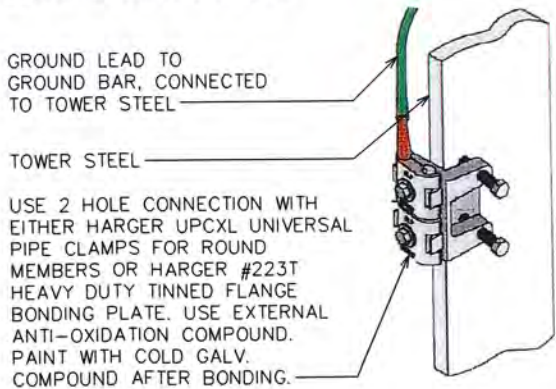
1. ALL REFERENCES TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED U.S. CELLULAR OR IT'S DESIGNATED REPRESENTATIVE.
2. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE OF CALIFORNIA.
3. STRUCTURE IS DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-G-2, 2009, AND THE REQUIREMENTS OF THE 2016 CALIFORNIA BUILDING CODE.
4. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE.
5. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
6. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
7. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND IT'S COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
8. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE OWNER SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISES AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
9. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
11. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
12. BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR. CONTRACTOR SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
13. ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
14. 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER.
15. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN IT PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFTER MATERIAL SHALL BE REWORKED OR REPLACED.
16. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.

STRUCTURAL STEEL NOTES:

1. THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS AND MANUAL OF STEEL CONSTRUCTION, 14TH EDITION.
2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
- A. STRUCTURAL STEEL, ASTM DESIGNATION A36 OR GR50.
 - B. ALL BOLTS, ASTM A325 TYPE 1 GALVANIZED HIGH STRENGTH BOLTS.
 - C. ALL NUTS, ASTM A563 CARBON AND ALLOY STEEL NUTS.
 - D. ALL WASHERS, ASTM F436 HARDENED STEEL WASHERS.
3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS AND MANUAL OF STEEL CONSTRUCTION, 13TH EDITION.
4. HOLES SHALL NOT BE FLAME CUT THRU STEEL UNLESS APPROVED BY THE ENGINEER.
5. HOT-DIP GALVANIZE ALL ITEMS UNLESS OTHERWISE NOTED, AFTER FABRICATION WHERE PRACTICABLE. GALVANIZING: ASTM A123, ASTM, A153/A153M OR ASTM A653/A653M, G90, AS APPLICABLE.
6. REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT CONFORMING TO ASTM A780 OR BY APPLICATION OF STICK OR THICK PASTED MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED, WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS IN STICK OR PASTED; SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
7. A NUT LOCKING DEVICE SHALL BE INSTALLED ON ALL PROPOSED AND/OR REPLACED BOLTS.
8. ALL PROPOSED AN/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH TO EXCLUDE THE THREADS FROM THE SHEAR PLANE.
9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
10. ALL ASSEMBLY AND ANCHOR BOLTS ARE TO BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED IN SECTION 8.1 OF THE AISC, "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", DATED JUNE 30, 2004.
11. FLAT WASHERS ARE TO BE INSTALLED WITH BOLTS OVER SLOTTED HOLES.
12. DO NOT OVER TORQUE ASSEMBLY BOLTS. GALVANIZING ON BOLTS, NUTS, AND STEEL PARTS ;MAY ACT AS A LUBRICANT, THUS OVER TIGHTENING MAY OCCUR AND MAY CAUSE BOLTS TO CRACK AND SNAP OFF.
13. PAL NUTS ARE TO BE INSTALLED AFTER NUTS ARE TIGHT AND WITH EDGE LIP OUT. PAL NUTS ARE NOT REQUIRED WHEN SELF-LOCKING NUTS ARE PROVIDED.
14. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
15. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AWS D1.1:2010, STRUCTURAL WELDING CODE-REINFORCING STEEL. ALL WELDERS SHALL DISPLAY PROPER CERTIFICATION OF QUALIFICATION.

GROUNDING NOTES:

1. ALL CADWELD CONNECTIONS TO GALVANIZED MATERIAL SHALL BE PROPERLY PREPARED TO ASSURE A SATISFACTORY CADWELD.
2. CADWELD CONNECTION SHALL BE COATED WITH COLD GALVANIZING SPRAY.
3. ALL VERTICAL JUMPERS SHALL NOT BE WELDED WITHIN TWO FT OF THE GROUND ROD.
4. SECTOR GROUNDING DIAGRAM:



PLANS PREPARED FOR:

U.S. Cellular
8410 W BRYN MAWR, SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

568365
COLD SPRINGS
10551 SIGNAL RIDGE ROAD
PHILO, CA 95466
(MENDOCINO COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net

SEAL:



October 28, 2019

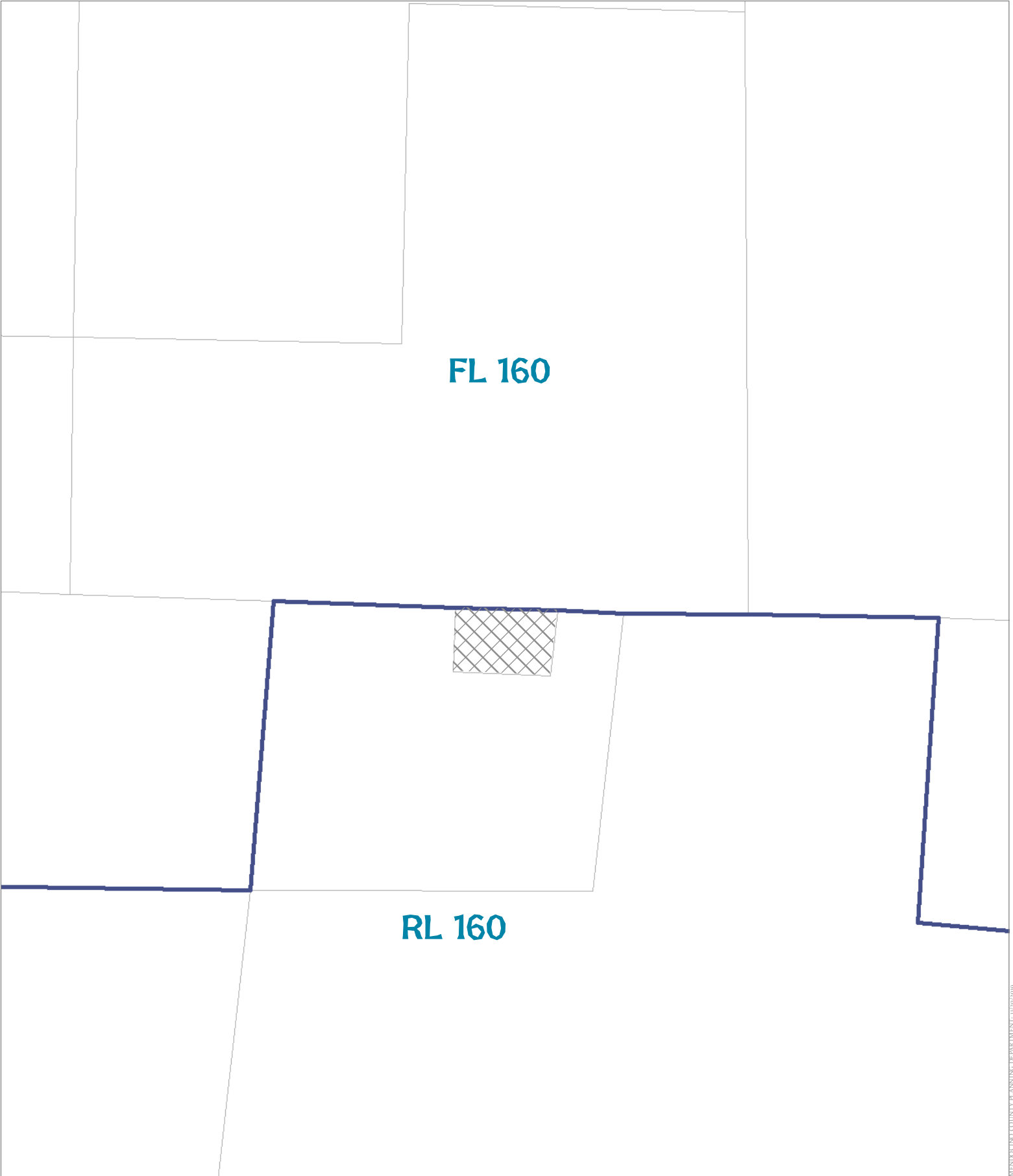
REV	DATE	ISSUED FOR:
2	10-28-19	CONSTRUCTION
1	10-08-19	PRELIMINARY
0	09-18-19	PRELIMINARY

DRAWN BY: RRG CHECKED BY: DWB


SHEET TITLE:

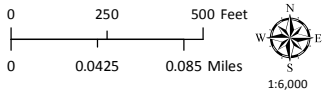
GENERAL NOTES

SHEET NUMBER: **N-1** REVISION: **2**
TEP#: 52499.294779

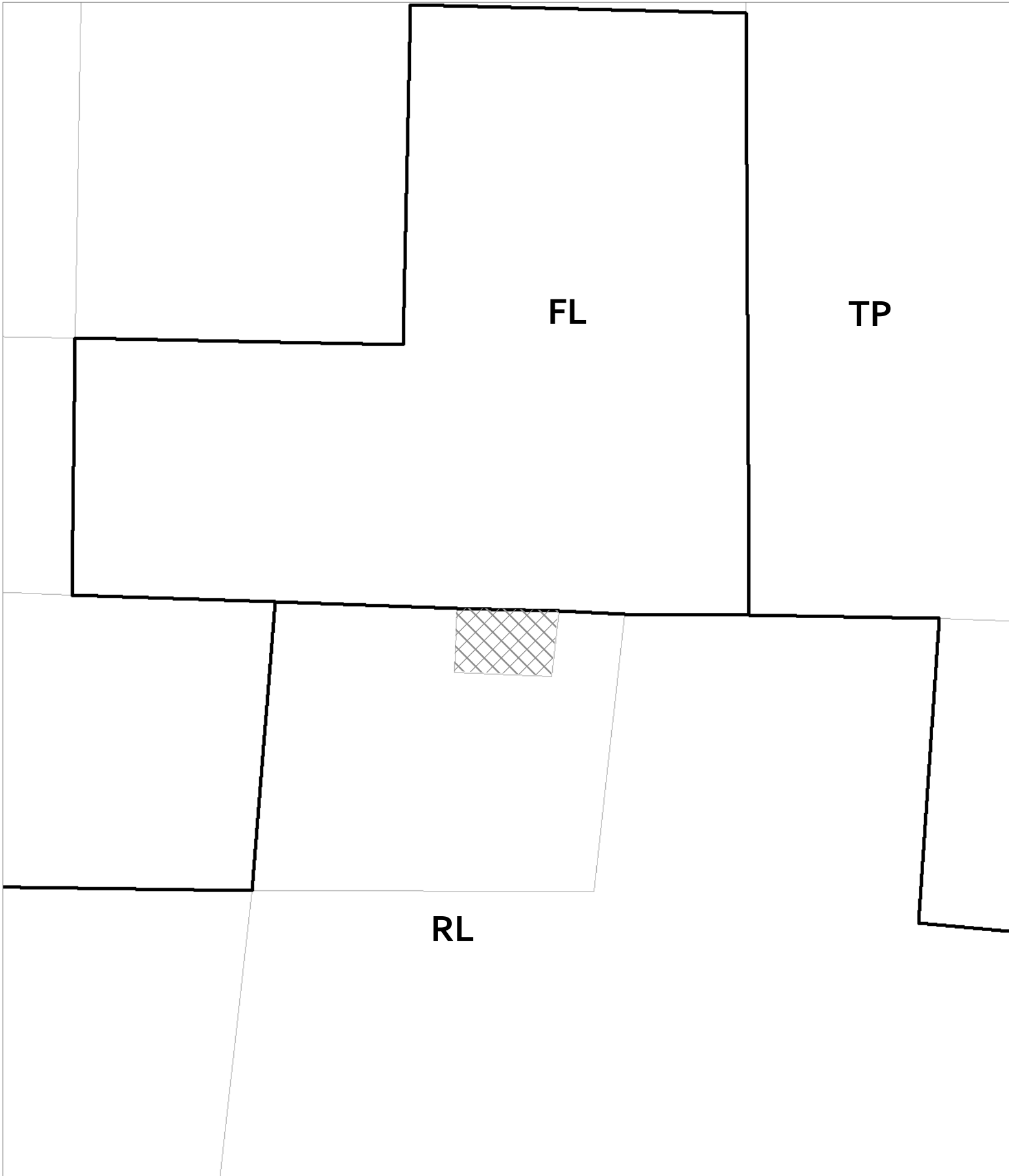


CASE: AP 2019-0095
OWNER: State of California
APN: 026-450-26
APLCT: Tower Engineering Professionals, Inc.
AGENT: Mary McGarity
ADDRESS: None Assigned

 General Plan Classes




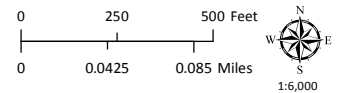
GENERAL PLAN CLASSIFICATIONS



YREBUTING COUNTY PLANNING DEPARTMENT - 11/20/2019

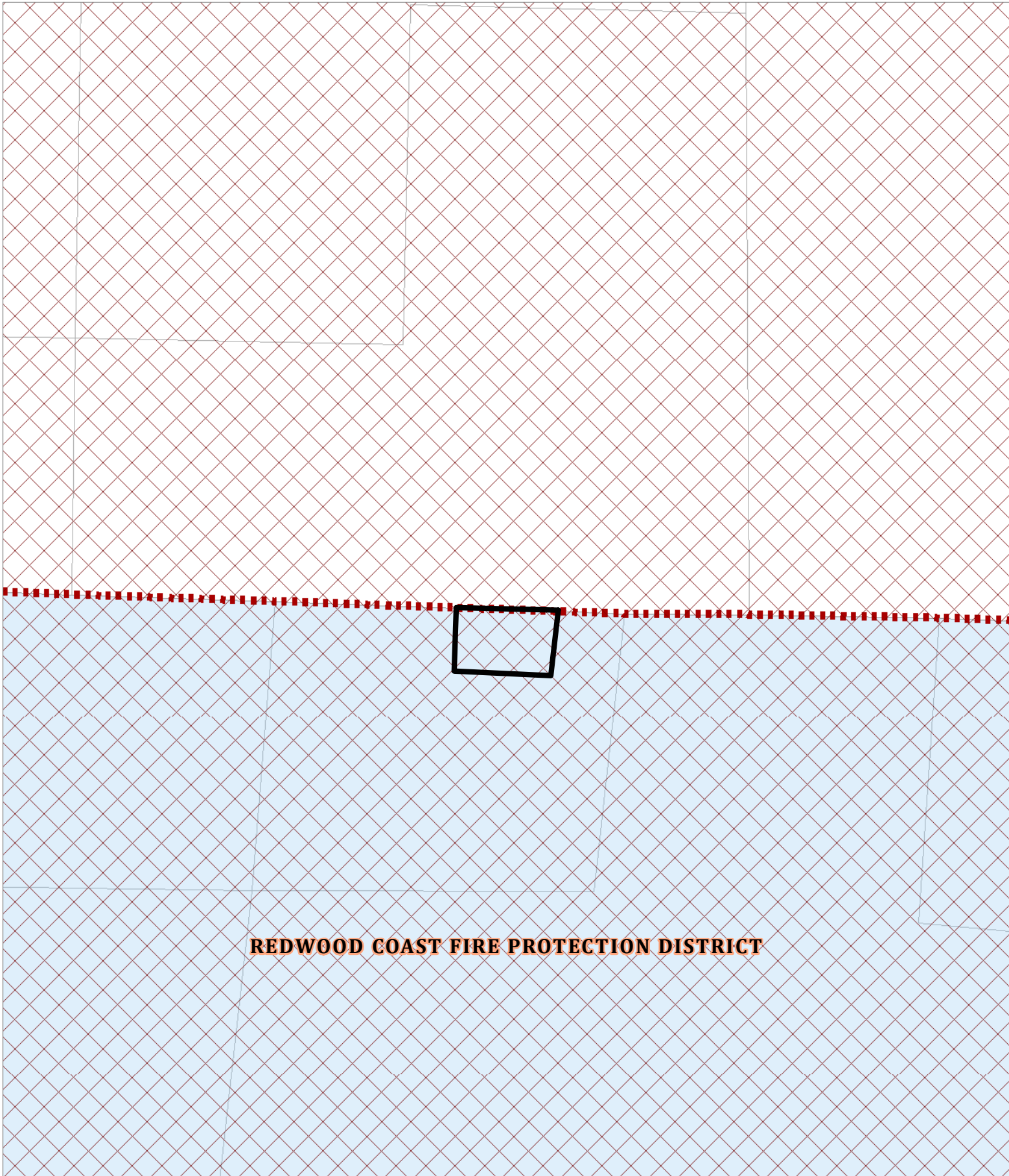
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ADDRESS: None Assigned

 Zoning Districts



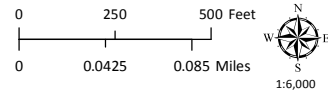
ZONING DISPLAY MAP





CASE: AP 2019-0095
OWNER: State of California
APN: 026-450-26
APLCT: Tower Engineering Professionals, Inc.
AGENT: Mary McGarity
ADDRESS: None Assigned

 Very High Fire Hazard
 High Fire Hazard
 County Fire Districts



FIRE HAZARD ZONES & RESPONSIBILITY AREAS
STATE RESPONSIBILITY AREA